

FIG. 1

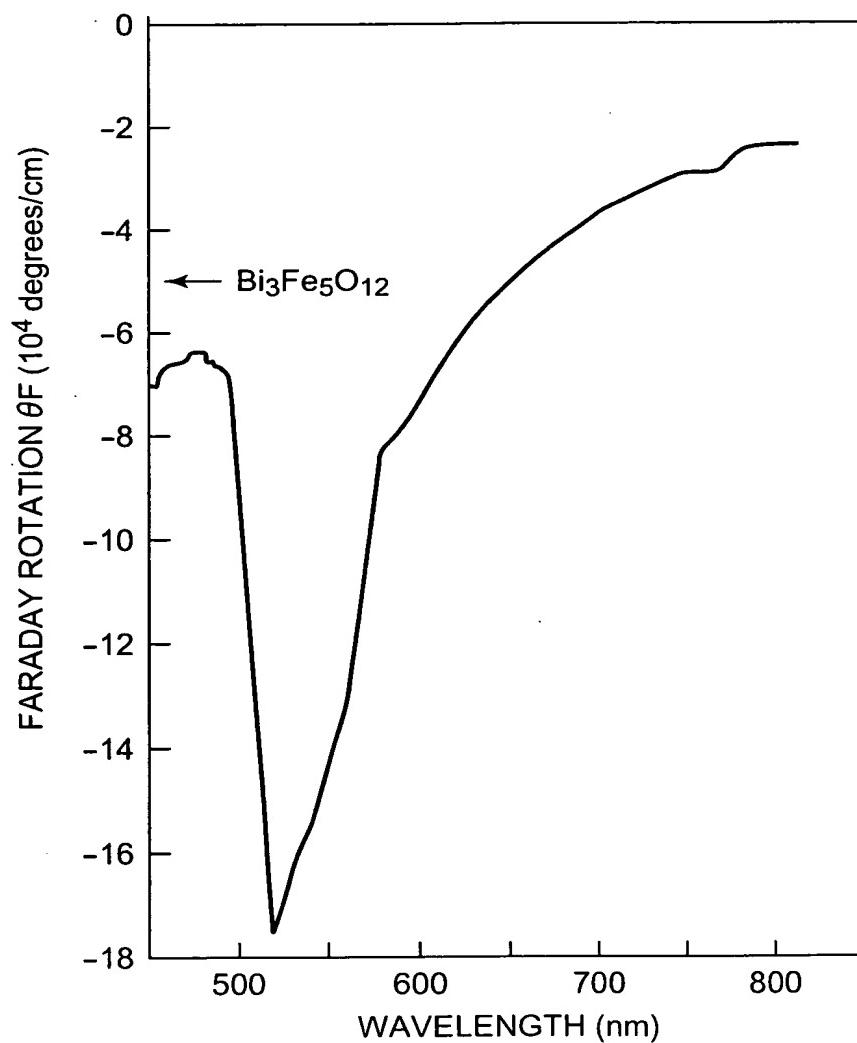


FIG. 2

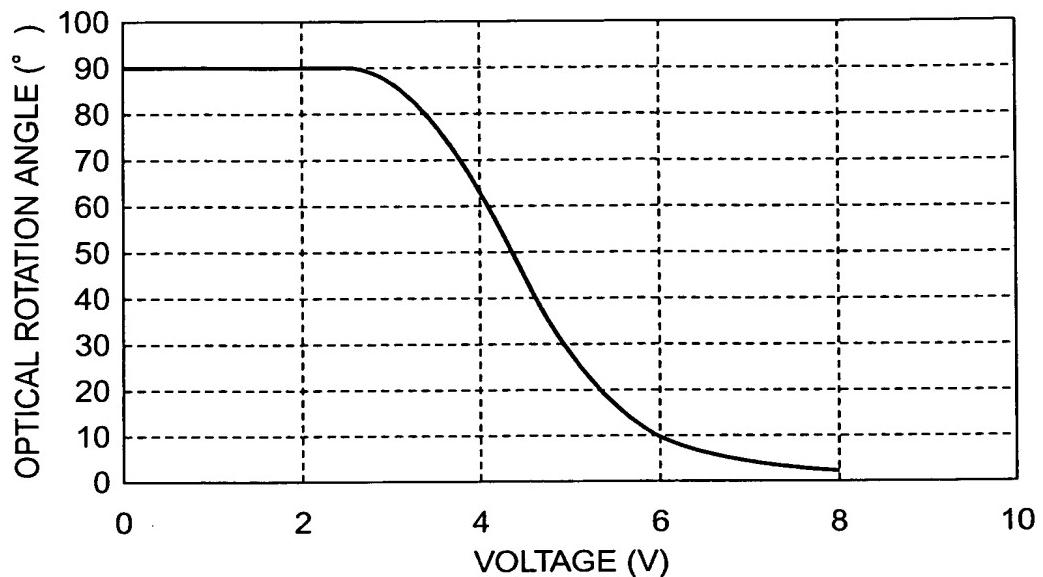


FIG. 3

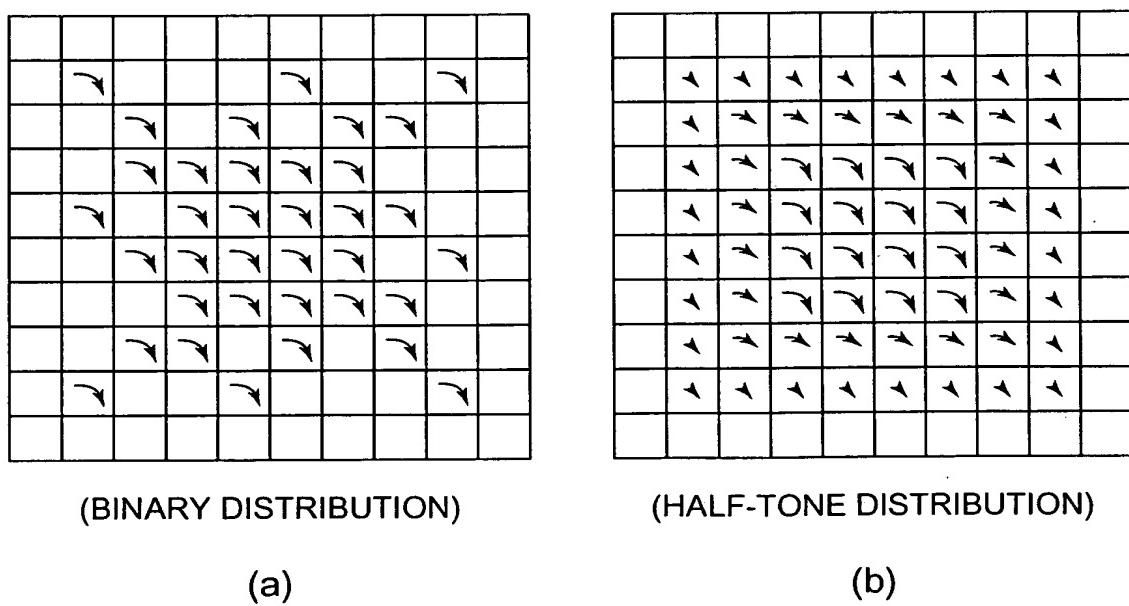


FIG. 4

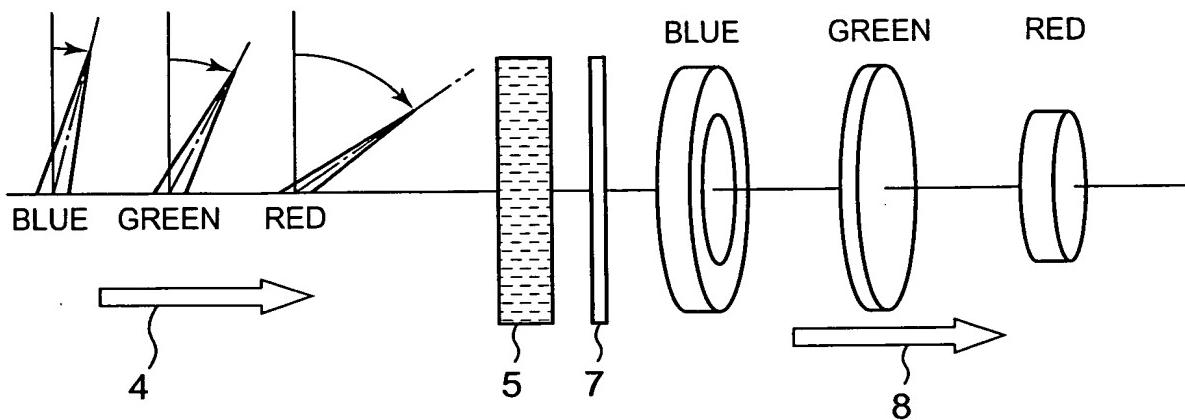


FIG. 5

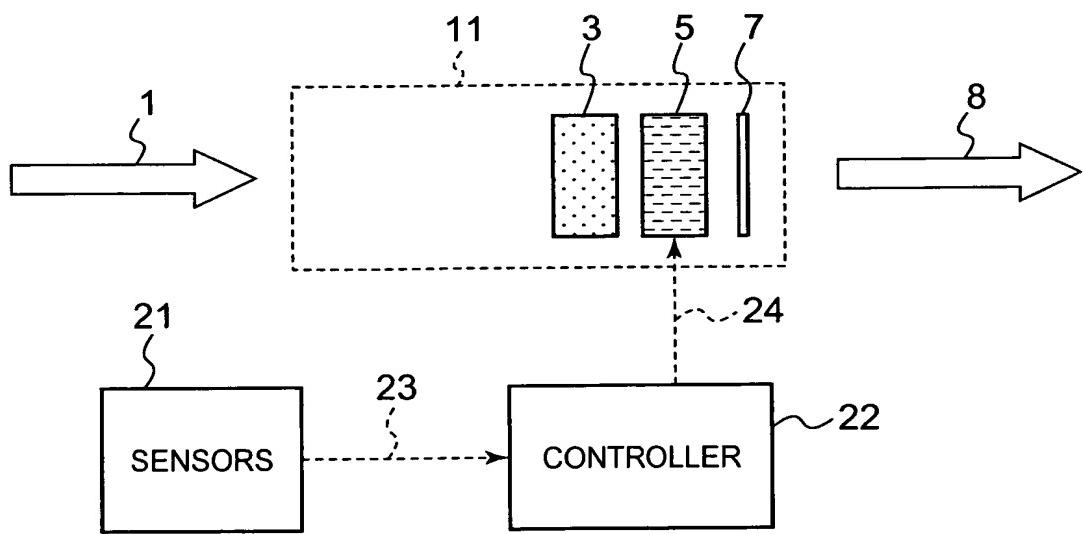


FIG. 6

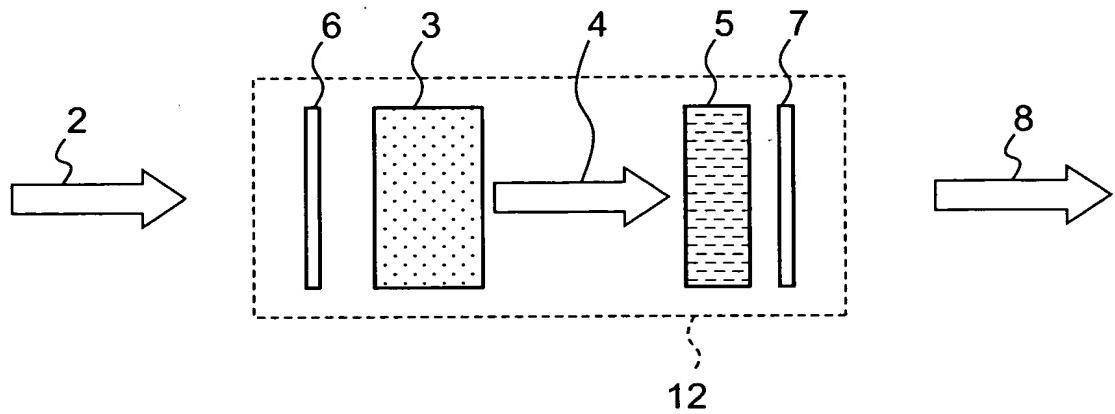


FIG. 7

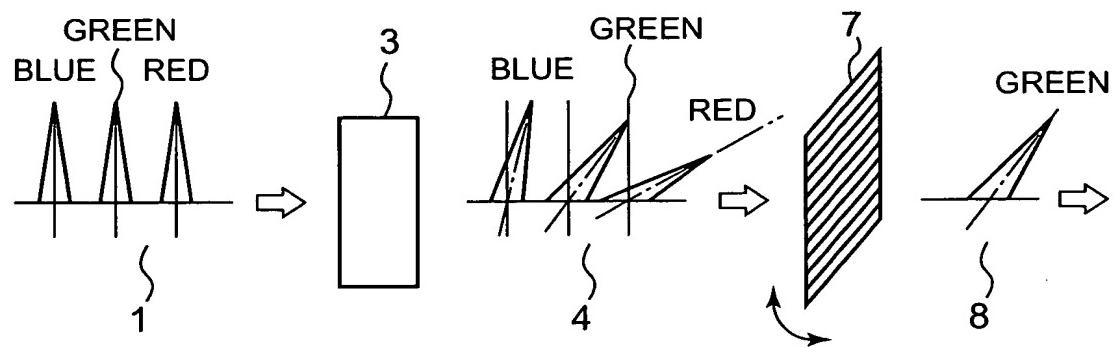


FIG. 8

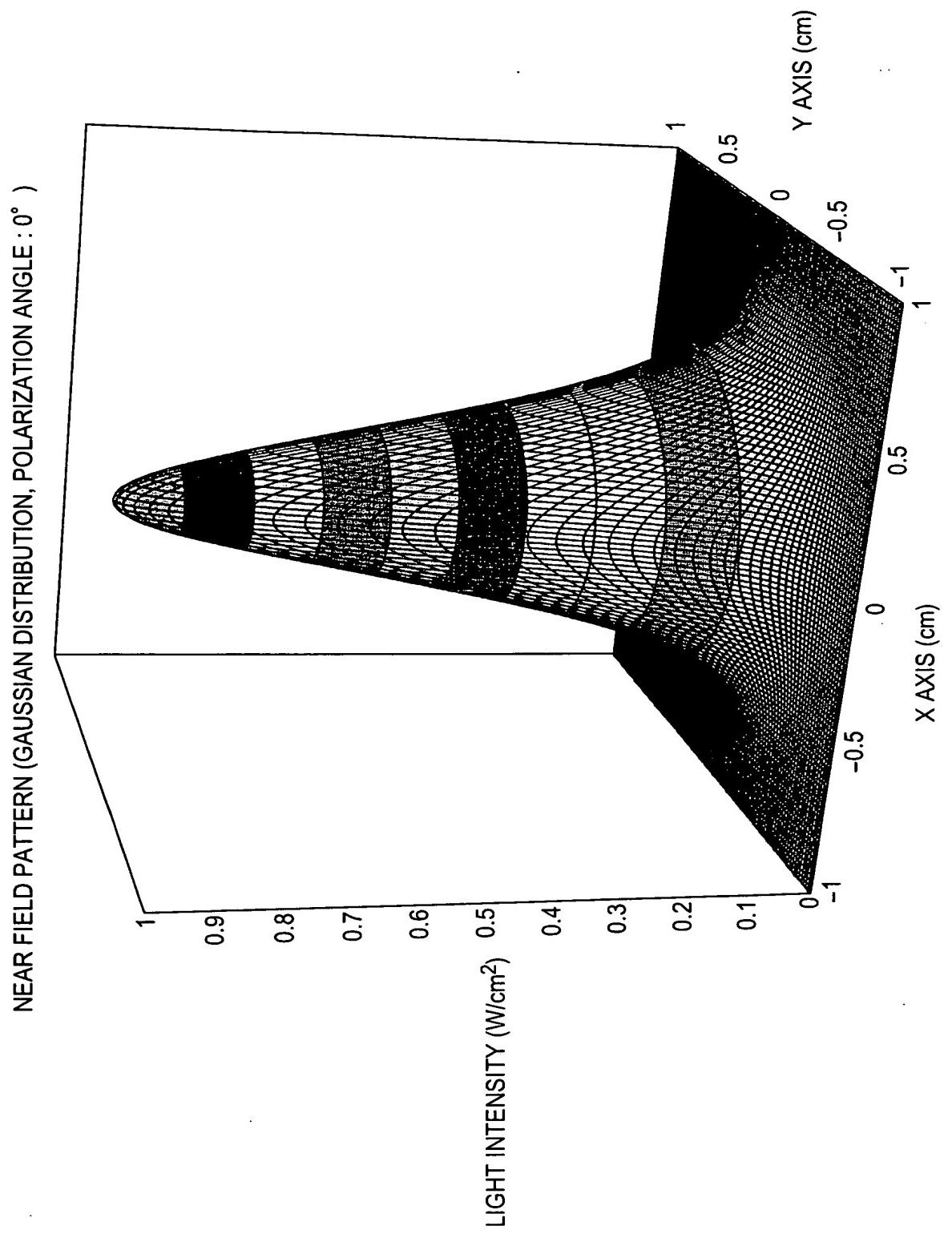


FIG. 9

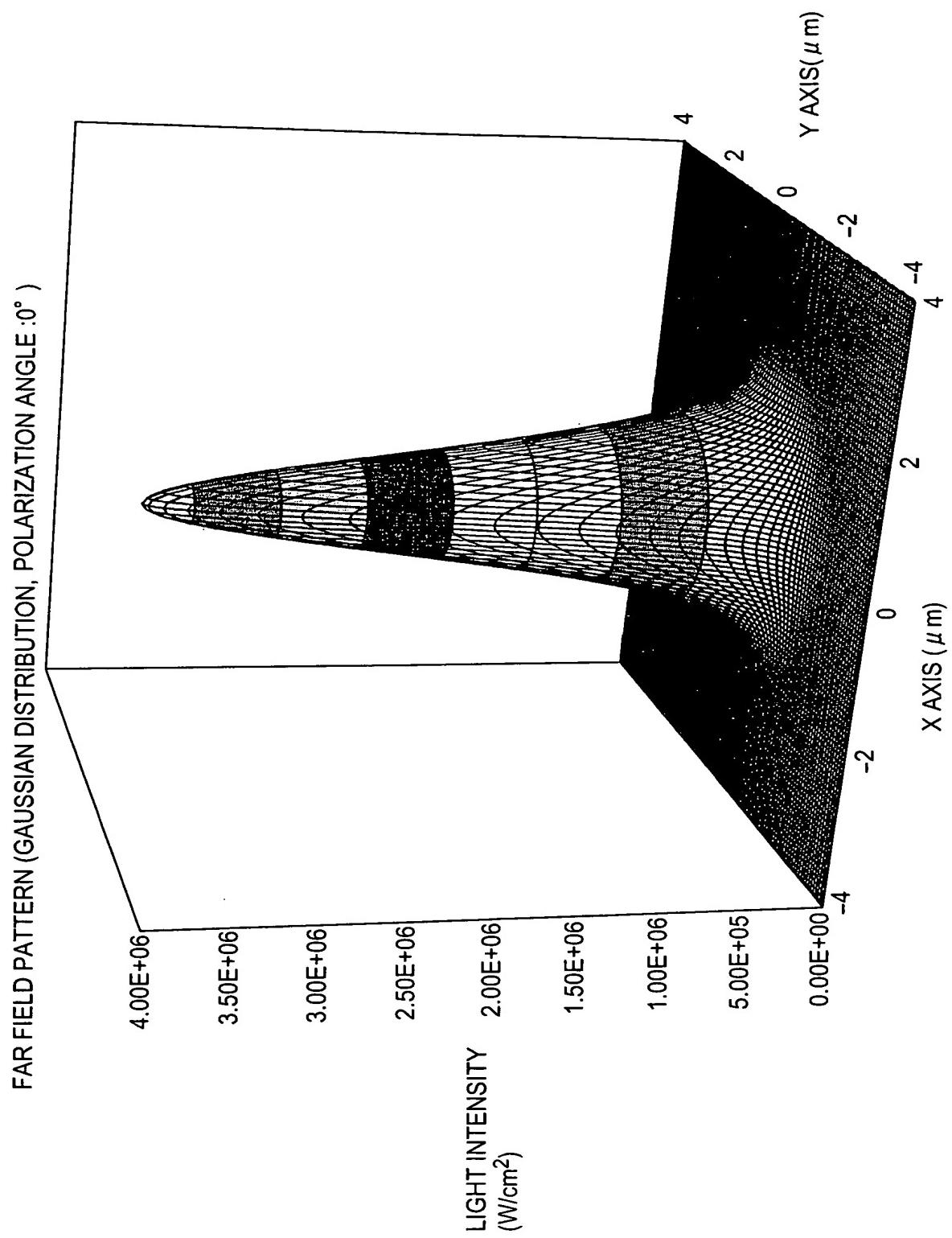


FIG. 10

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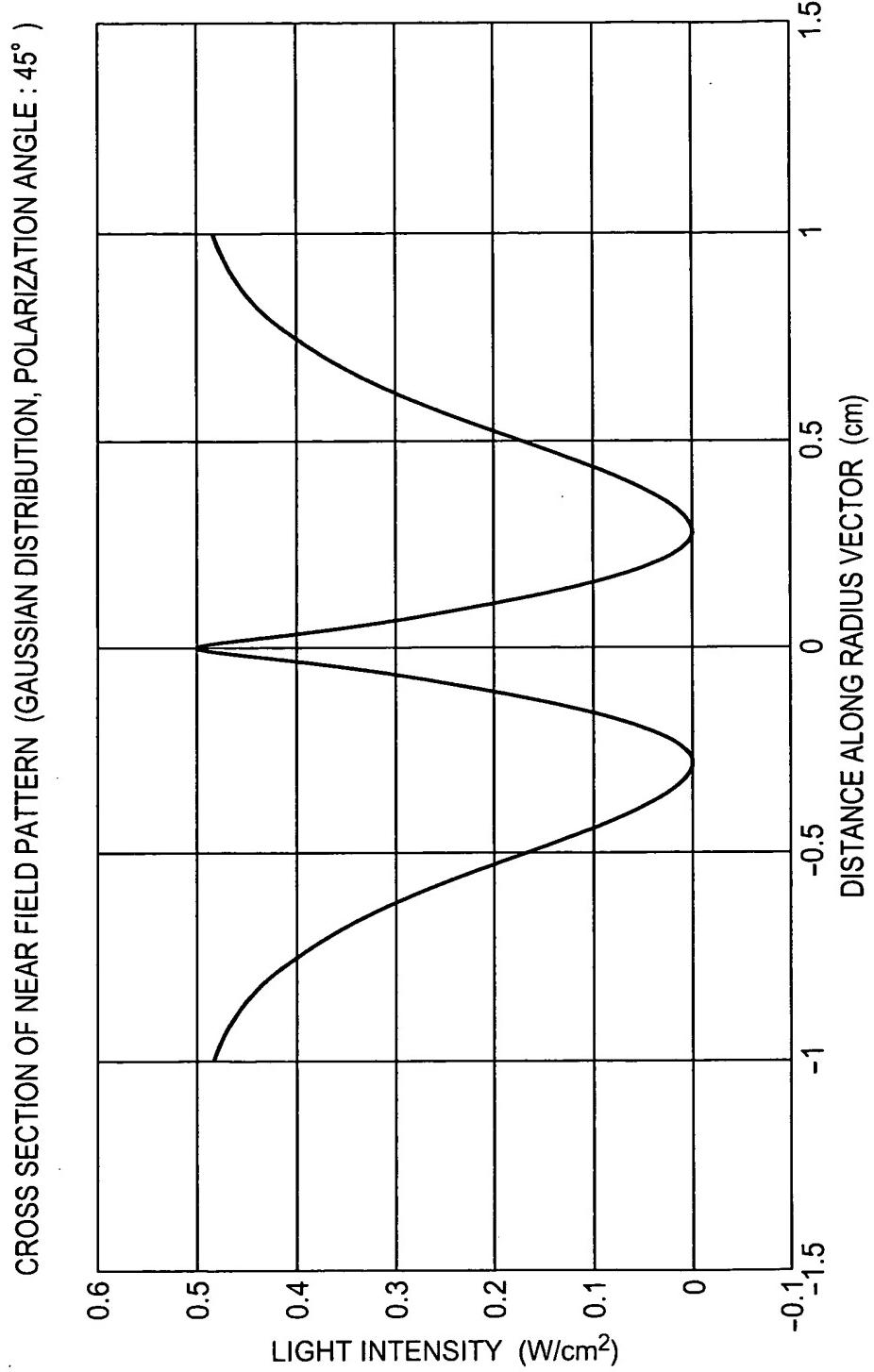


FIG. 11

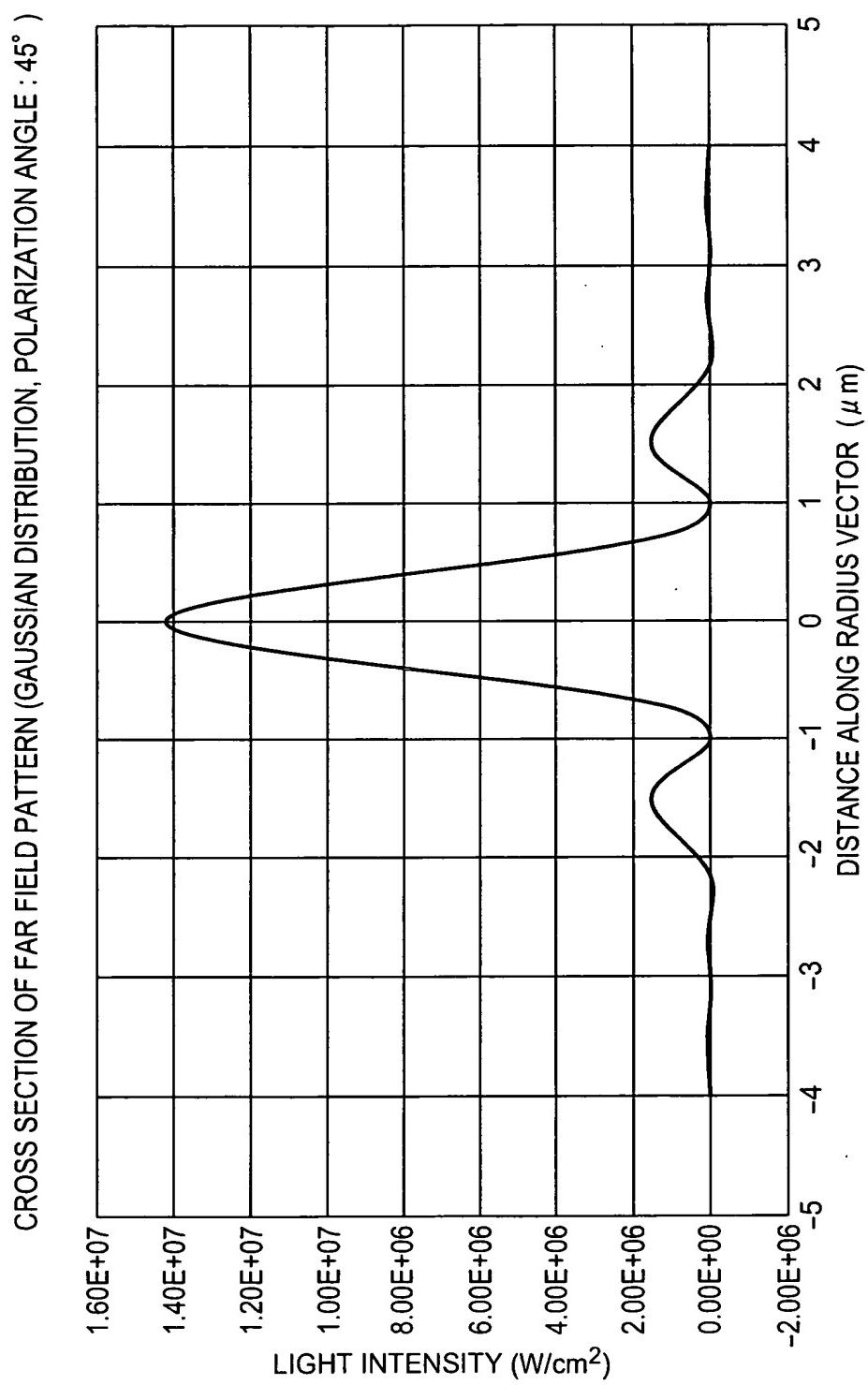


FIG. 12

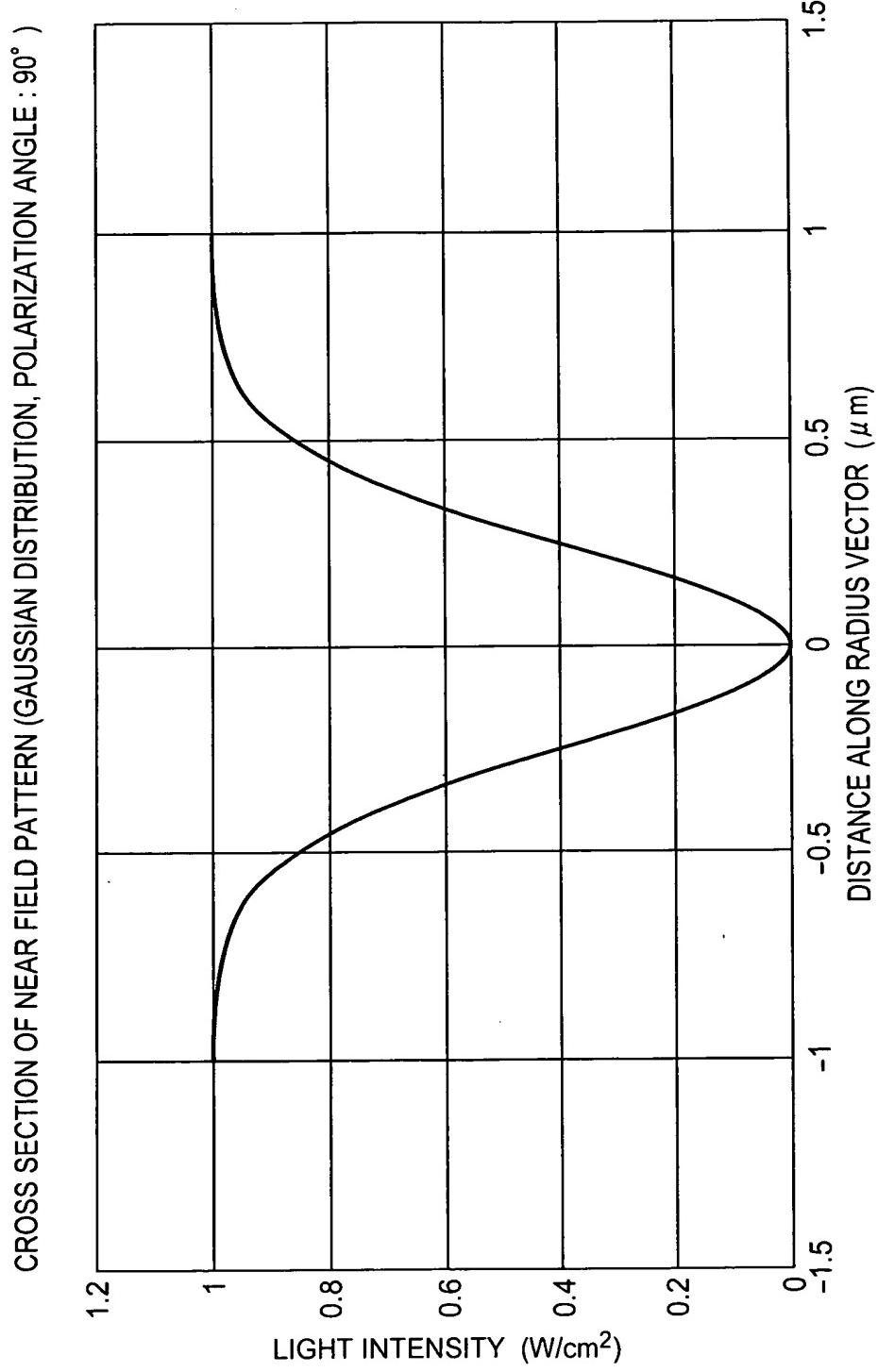


FIG. 13

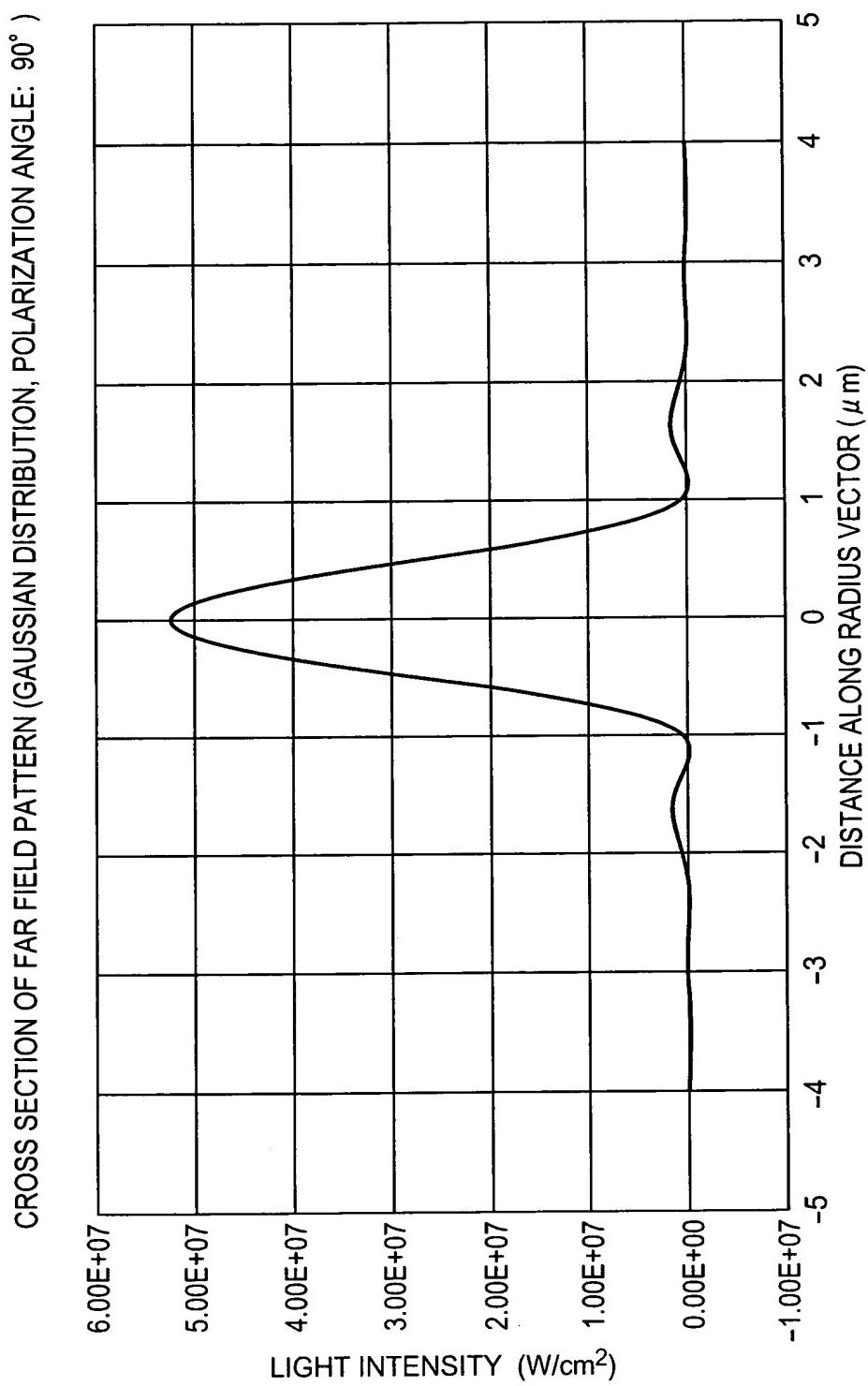


FIG. 14

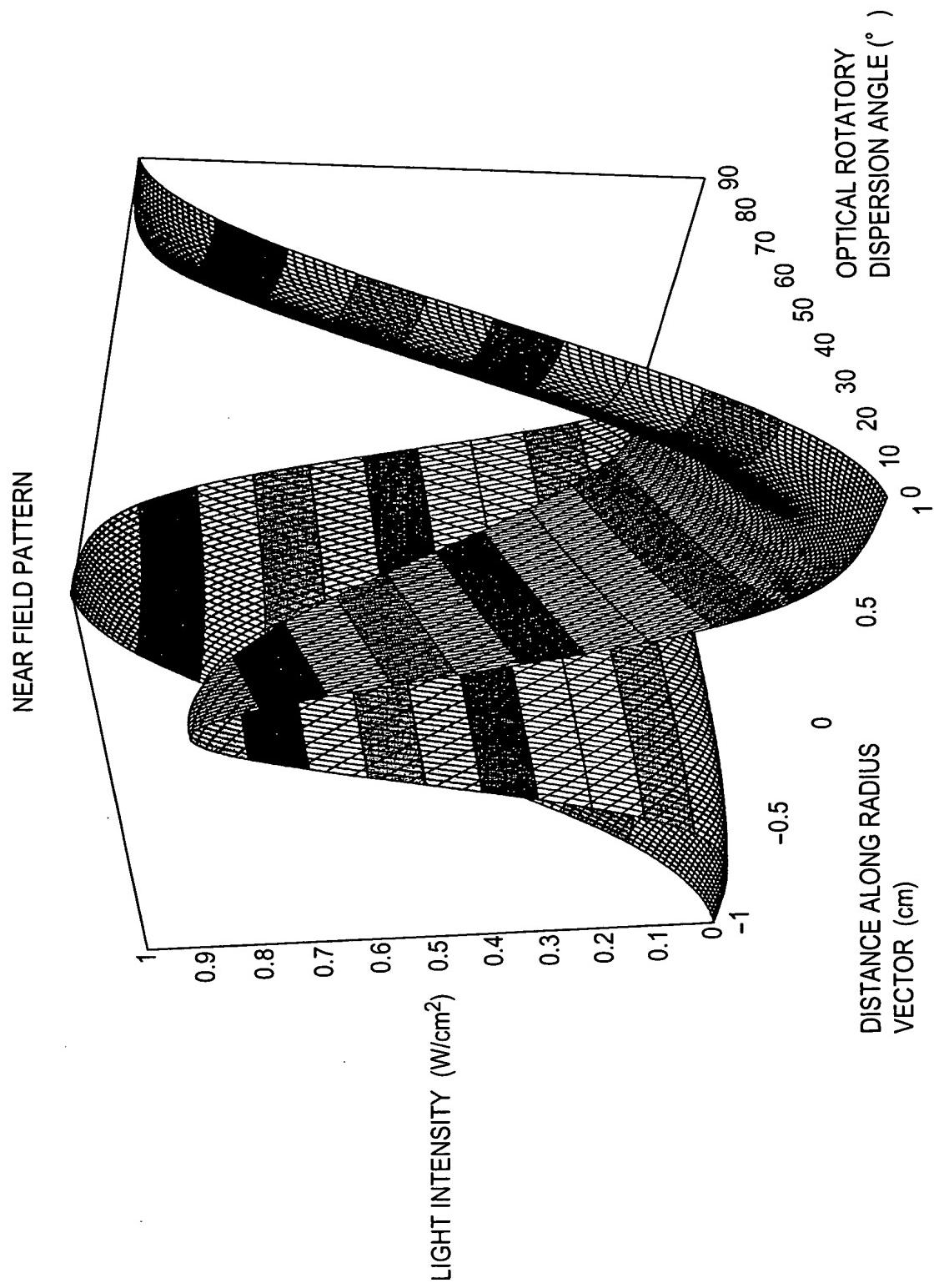


FIG. 15

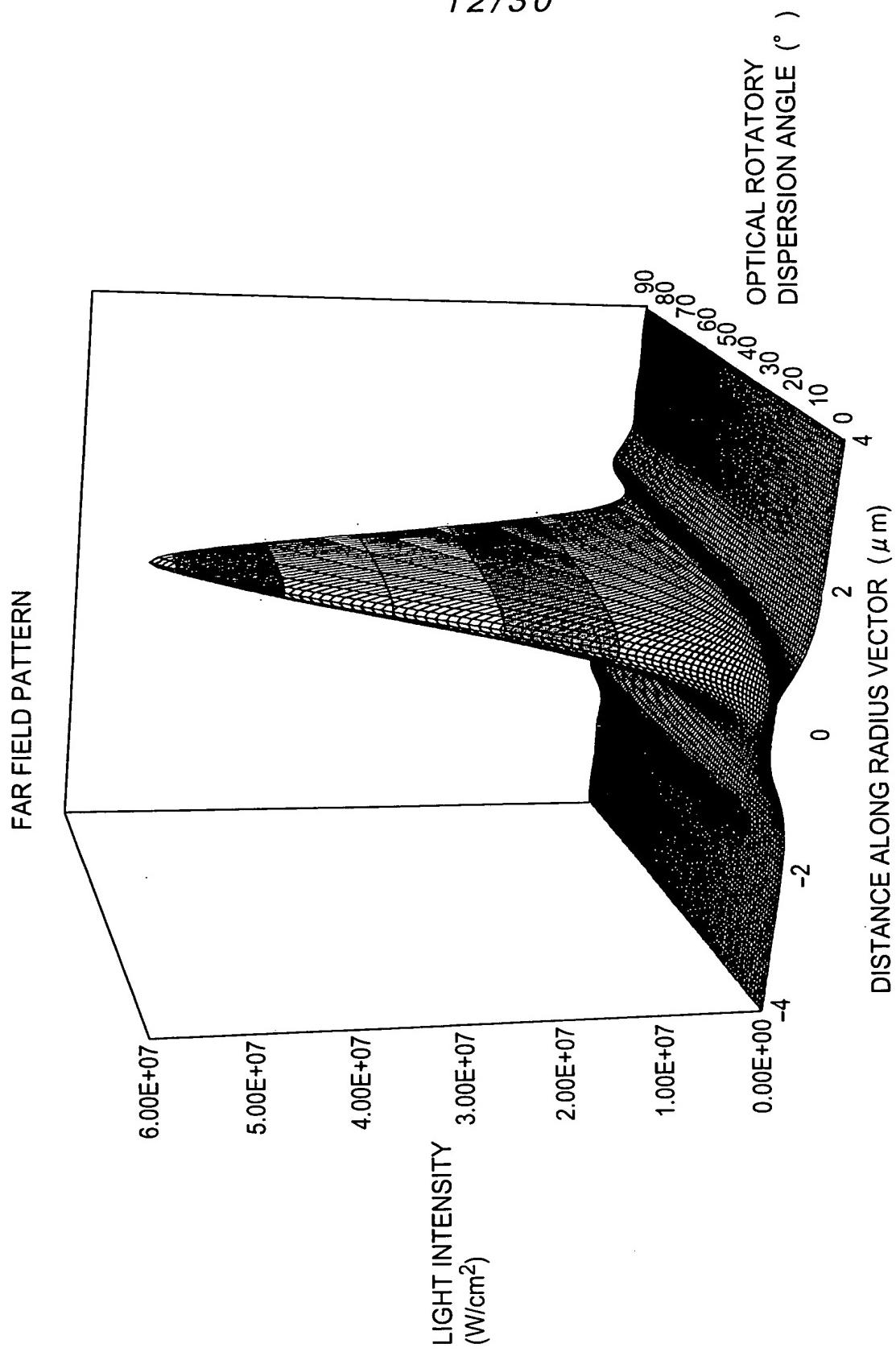


FIG. 16

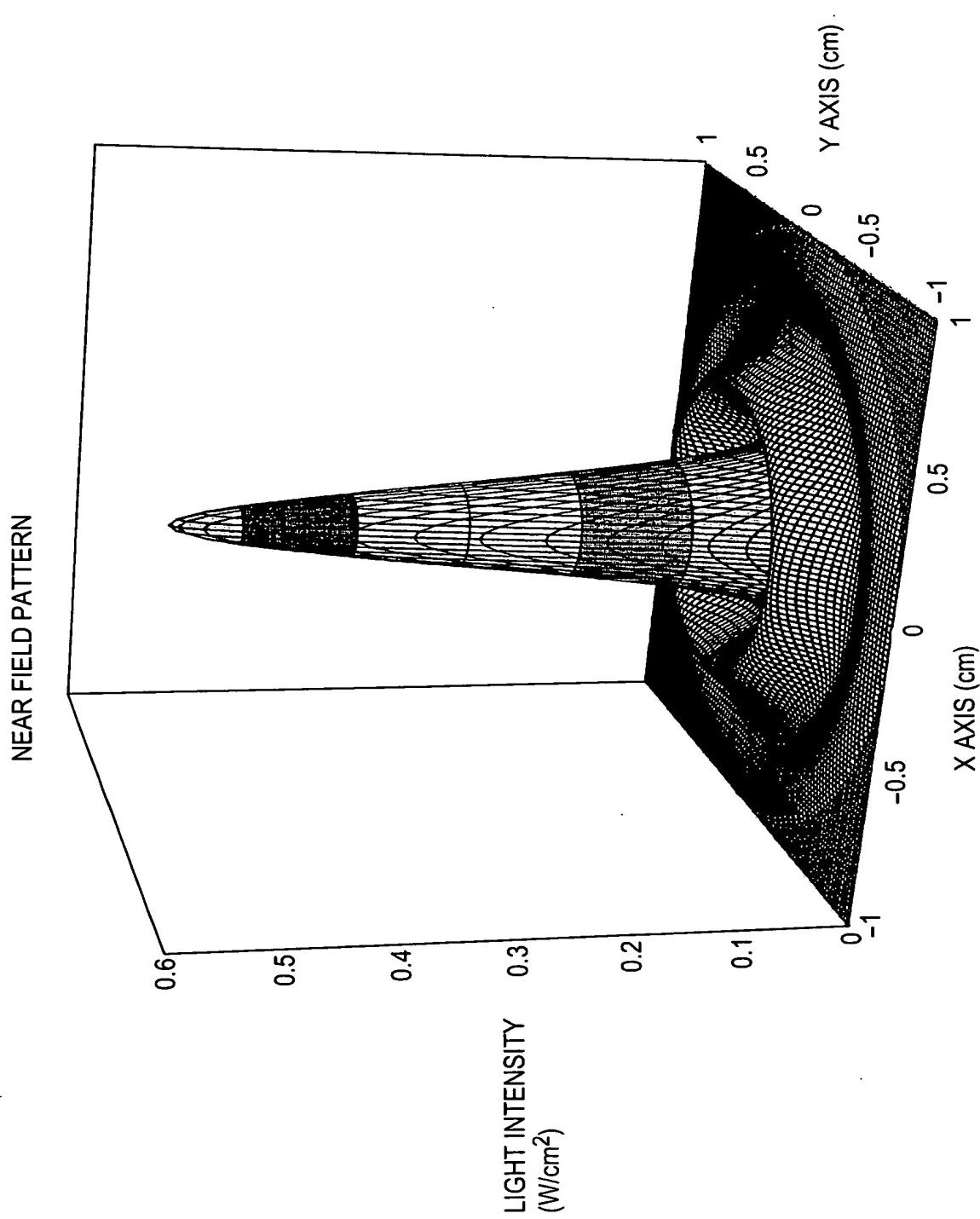


FIG. 17

14/30

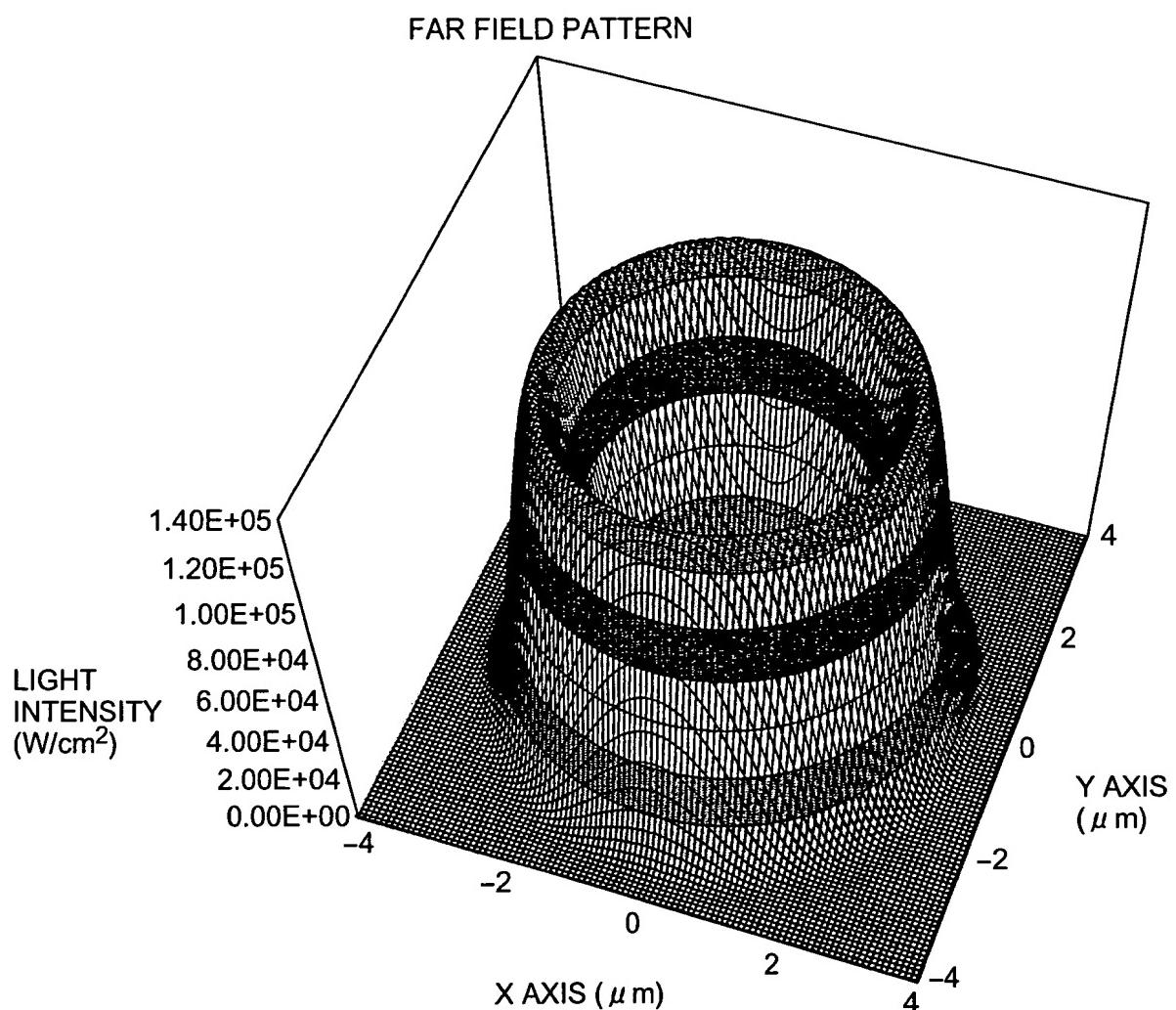


FIG. 18

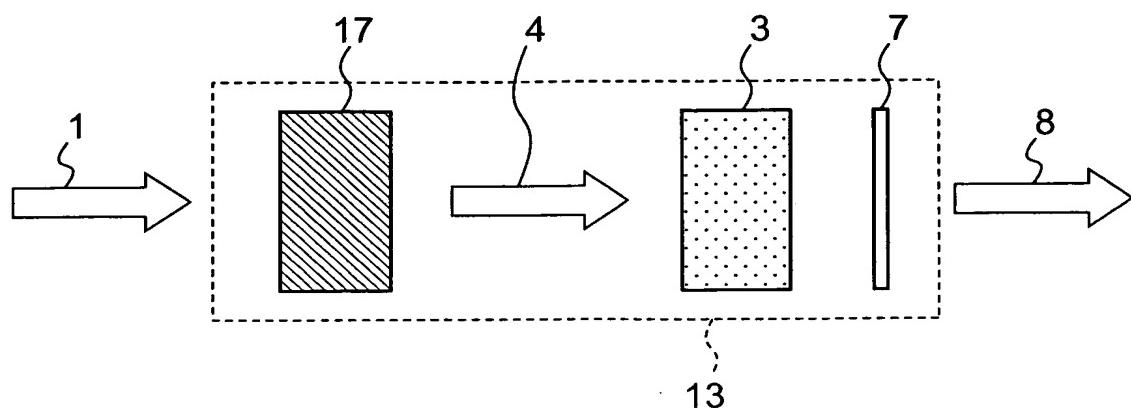


FIG. 19

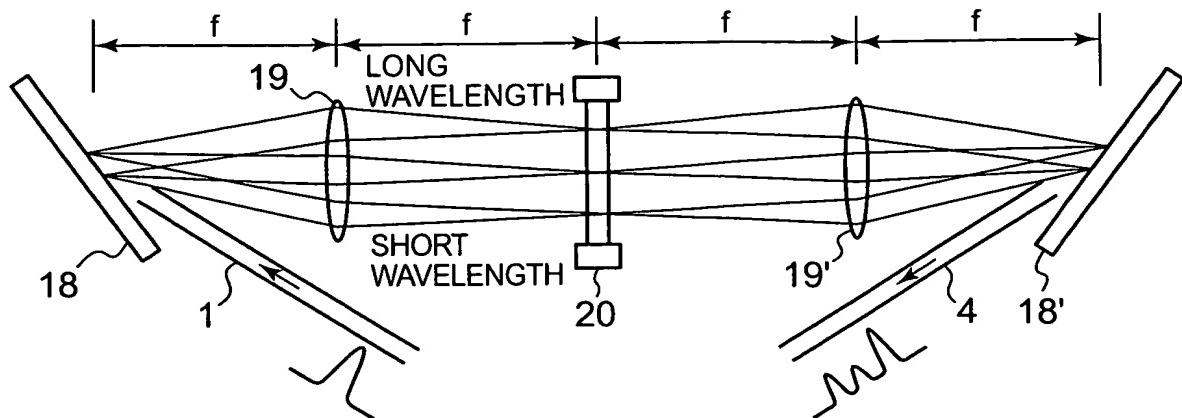


FIG. 20

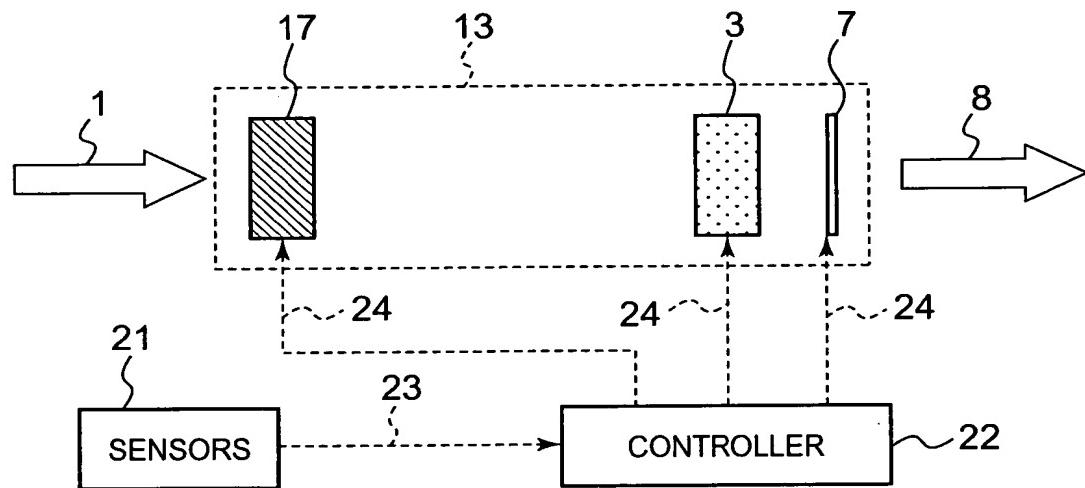


FIG. 21

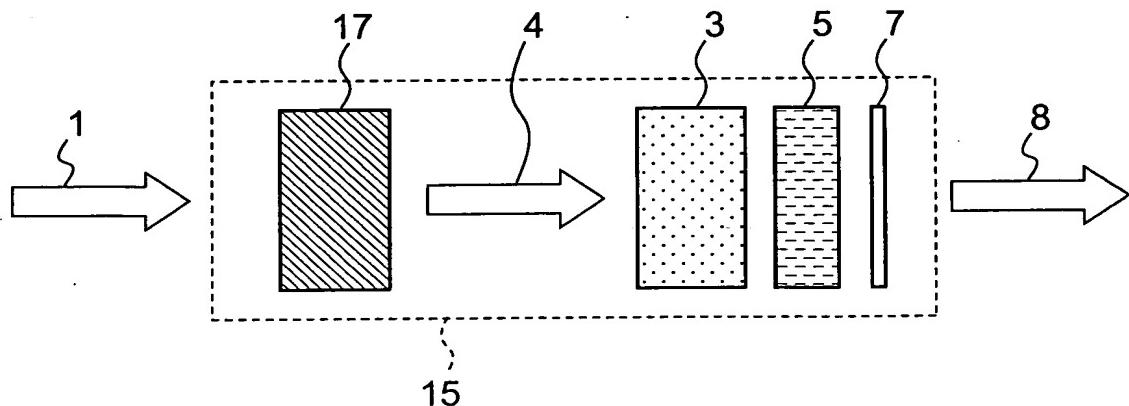


FIG. 22

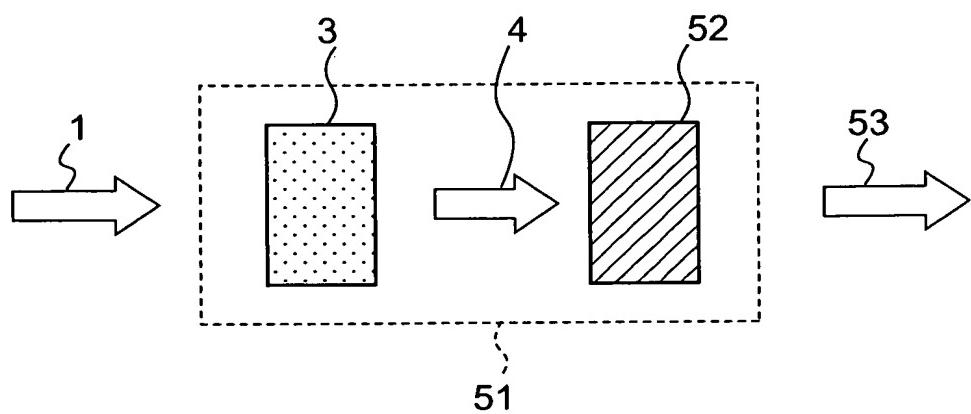


FIG. 23

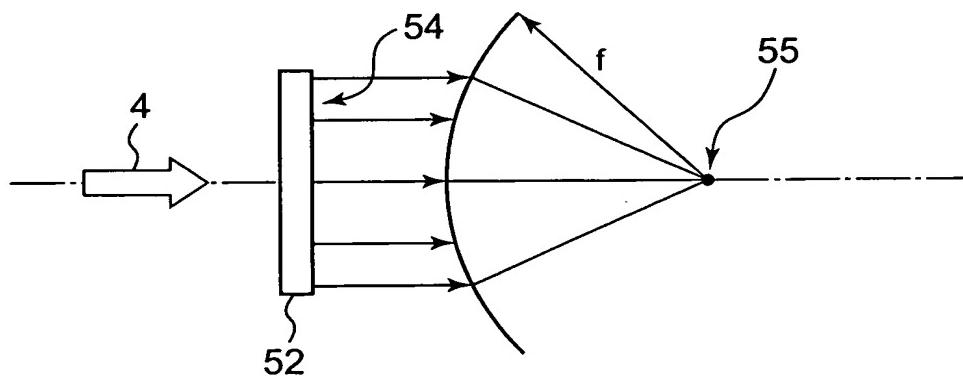


FIG. 24

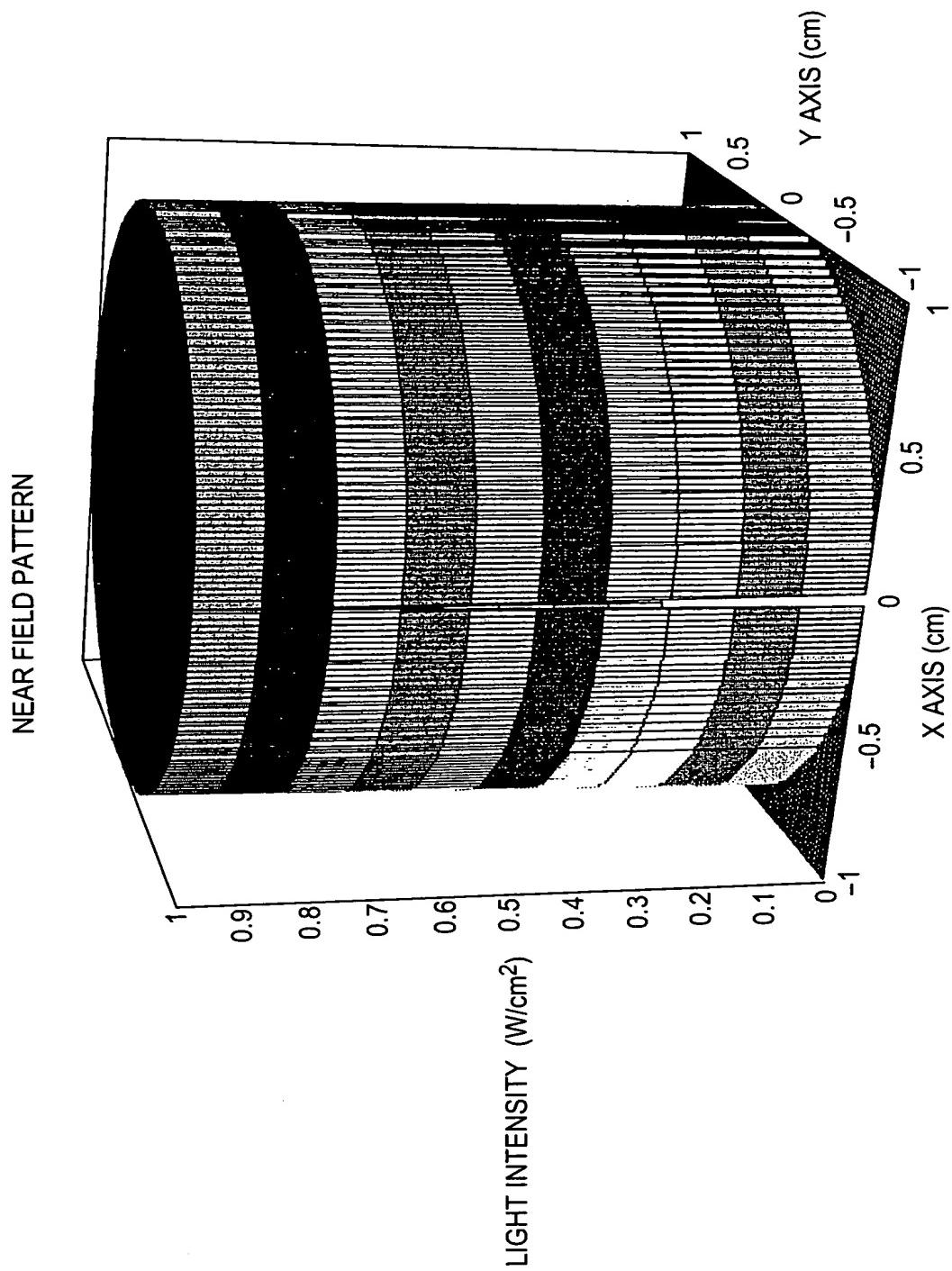


FIG. 25

SPATIAL DISTRIBUTION OF NEAR FIELD PHASE (HELICAL PITCH : 2π rad)

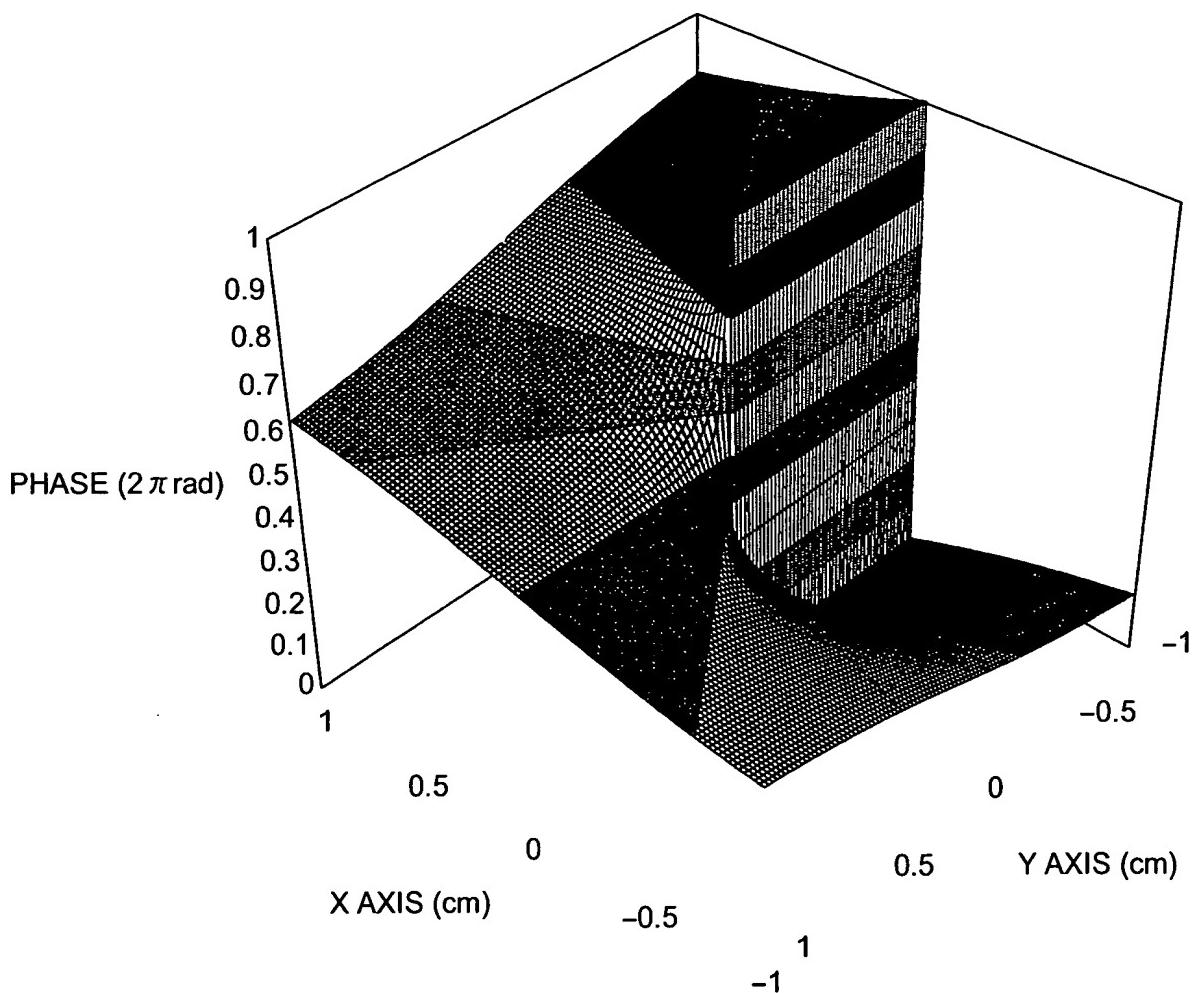


FIG. 26

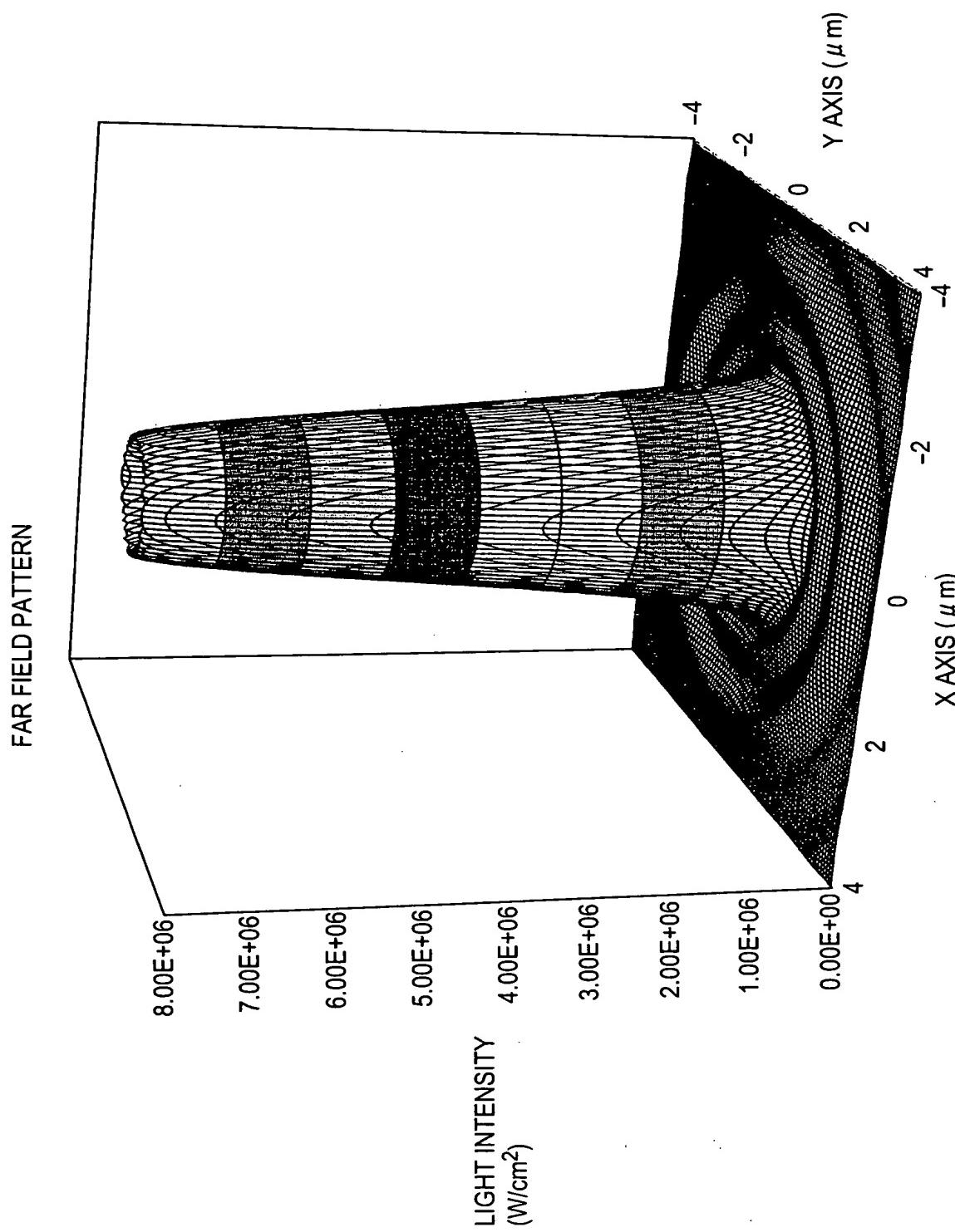


FIG. 27

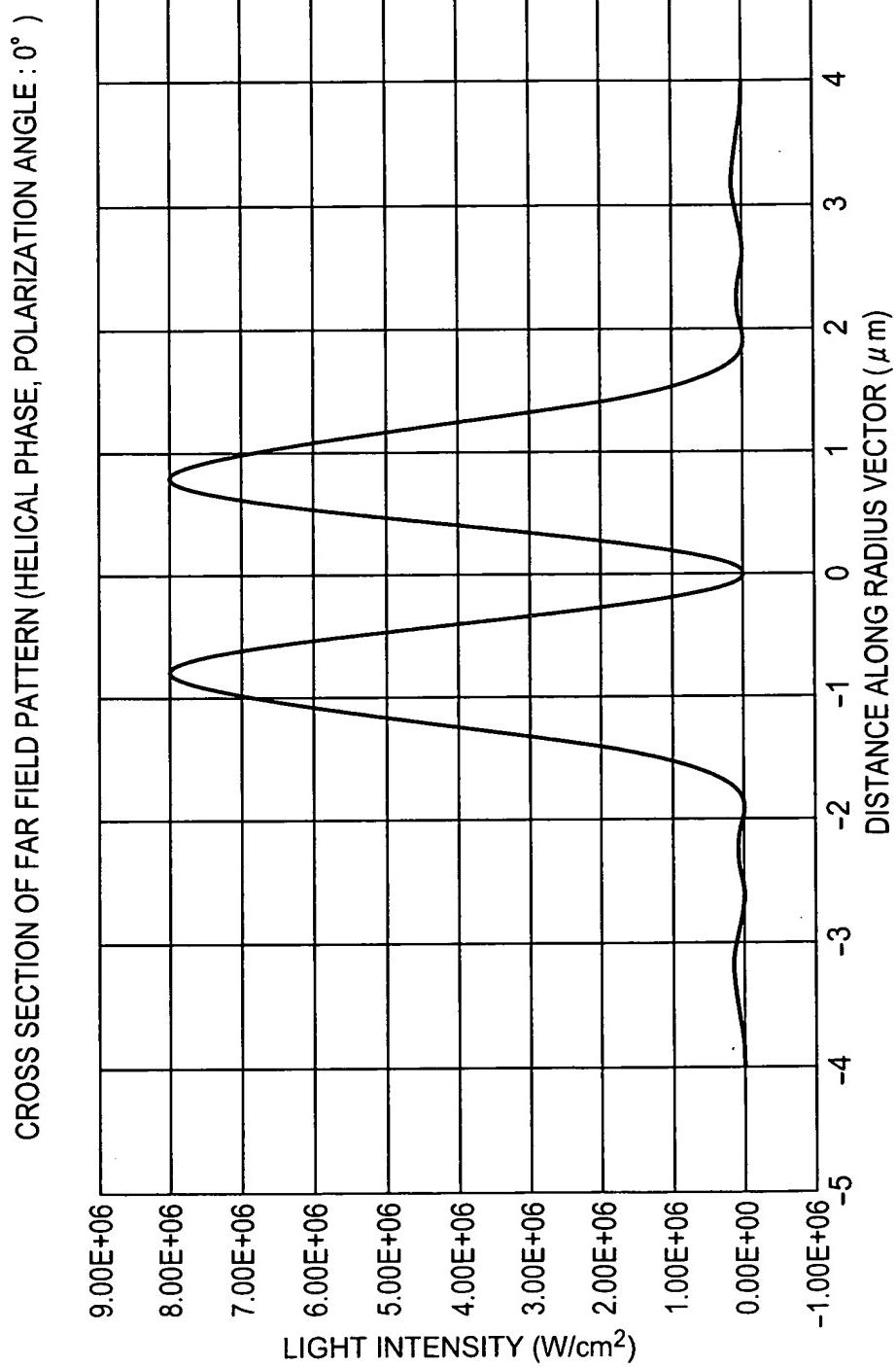


FIG. 28

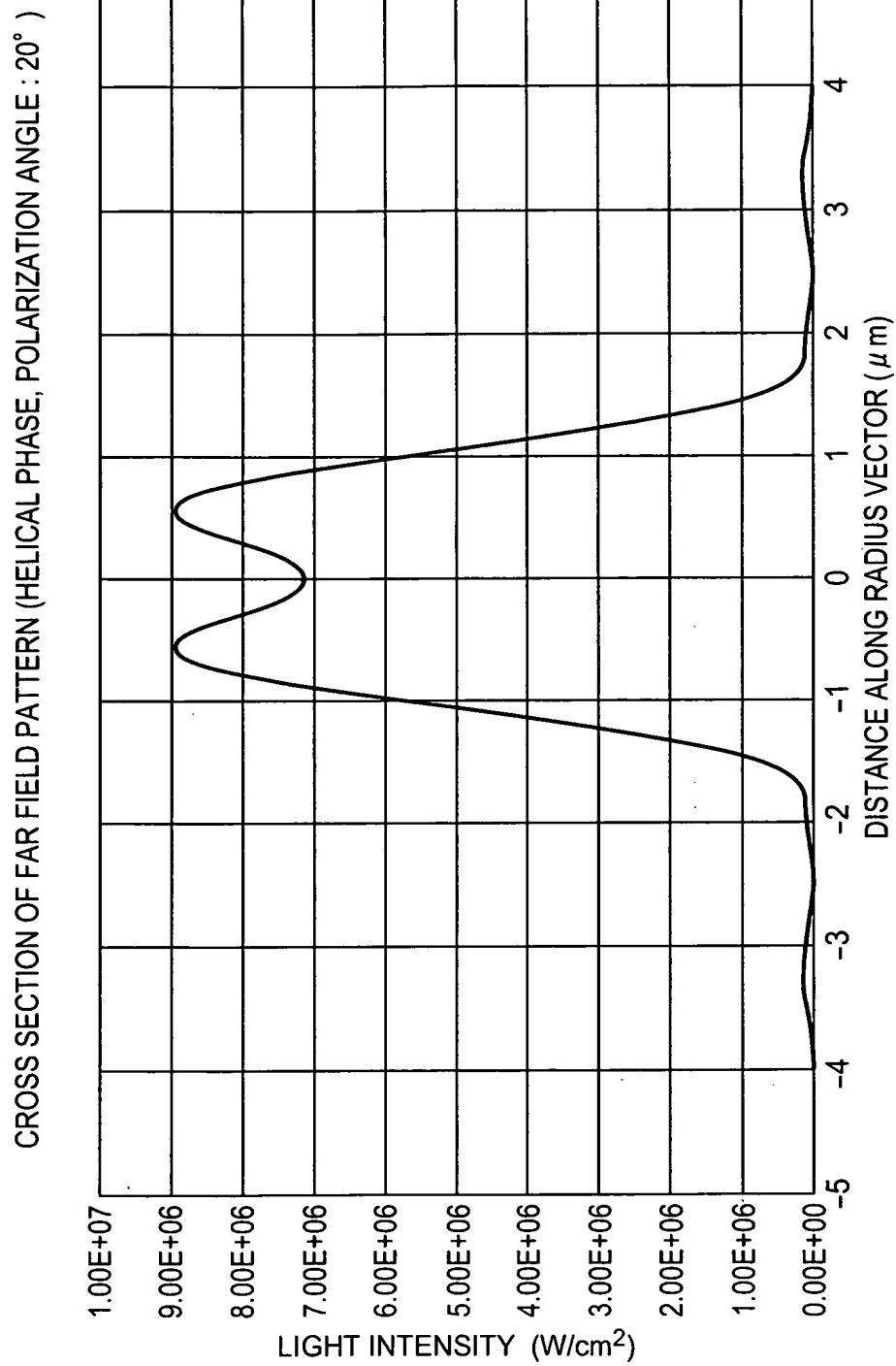


FIG. 29

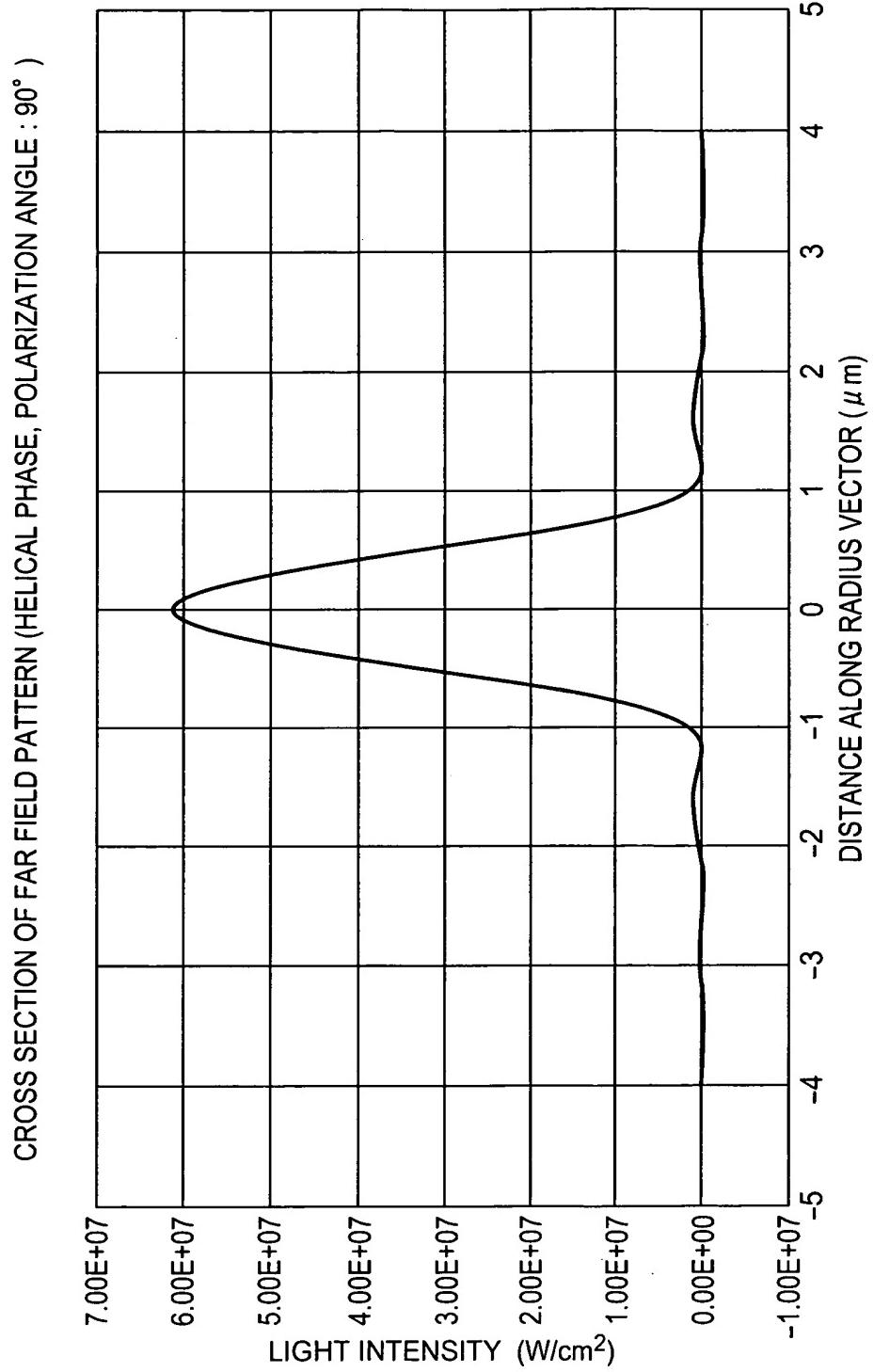


FIG. 30

CROSS SECTION OF NEAR FIELD PATTERN (HELICAL PHASE, CIRCULAR PLANE WAVE)

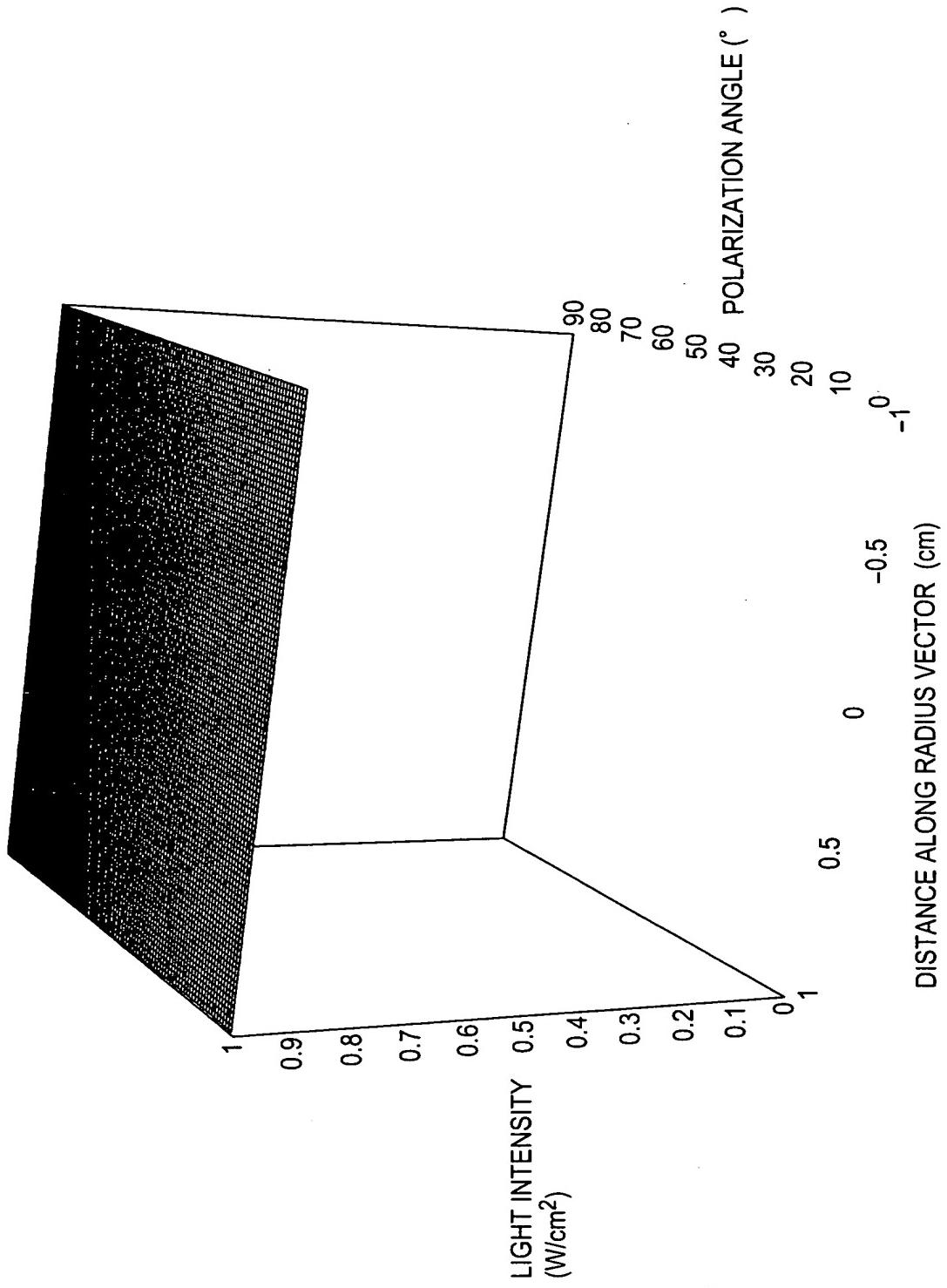


FIG. 31

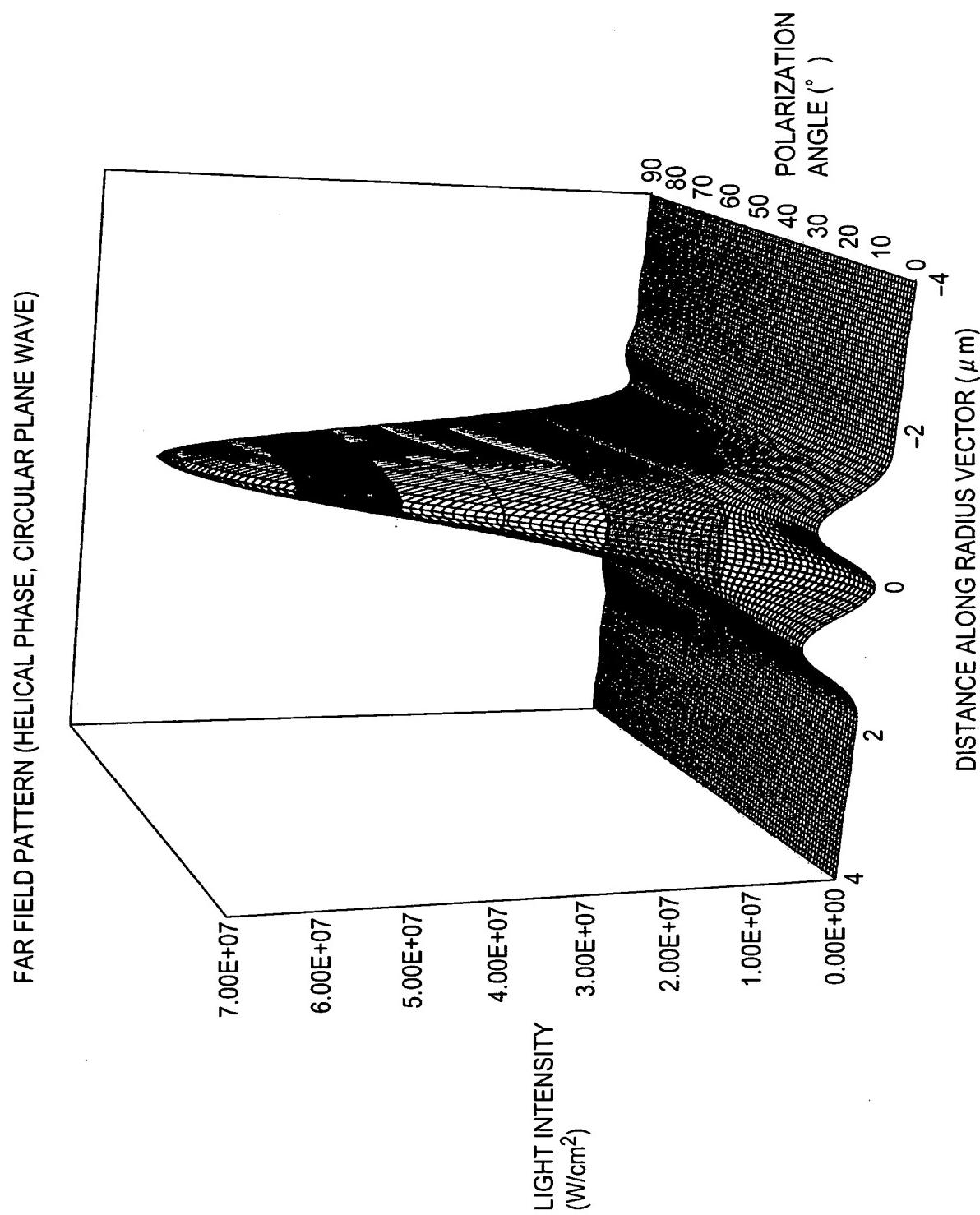


FIG. 32

NEAR FIELD PATTERN (HELICAL PHASE, GAUSSIAN FUNCTION DISTRIBUTION)

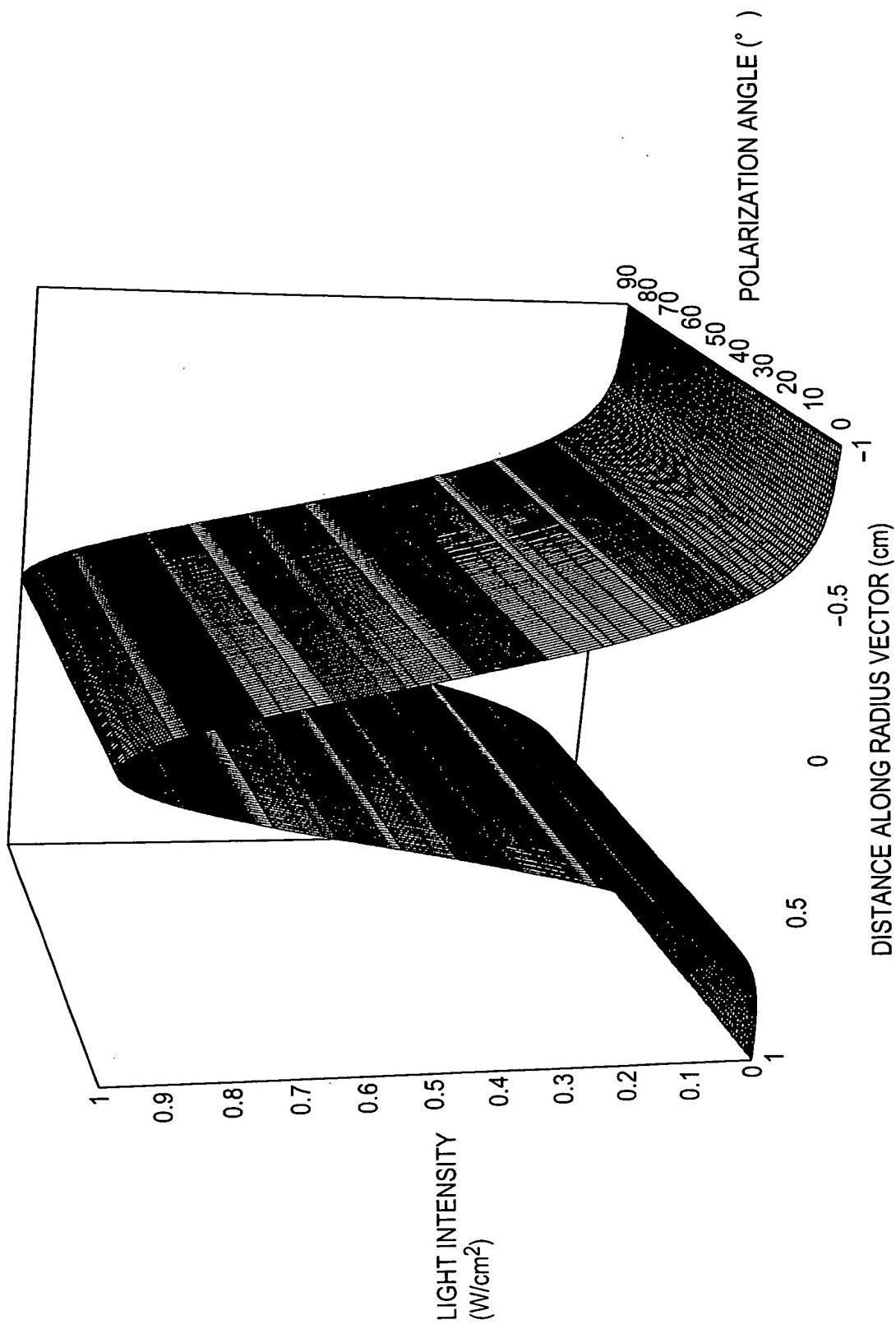


FIG. 33

FAR FIELD PATTERN (HELICAL, GAUSSIAN FUNCTION DISTRIBUTION)

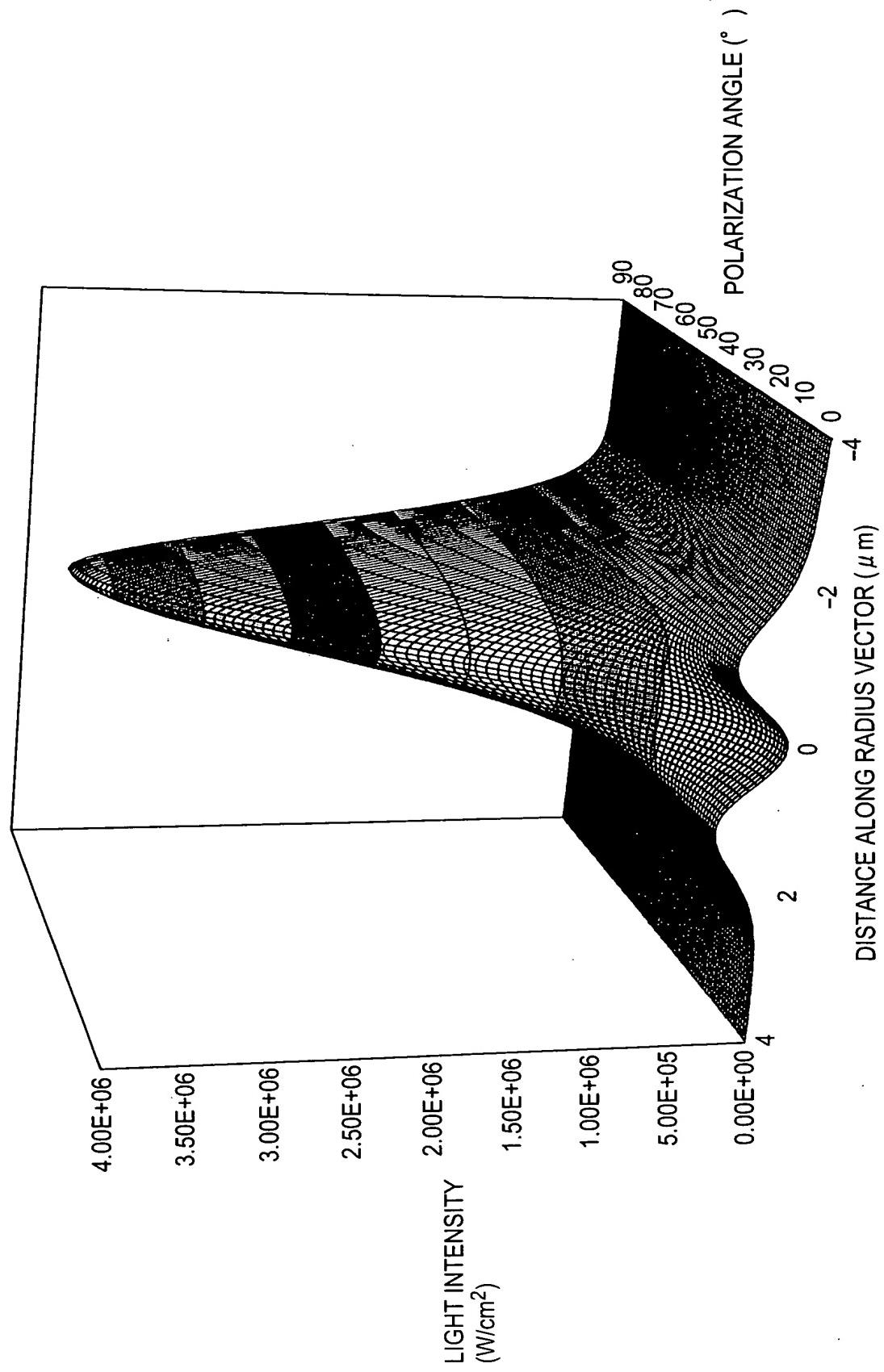


FIG. 34

FIG. 35

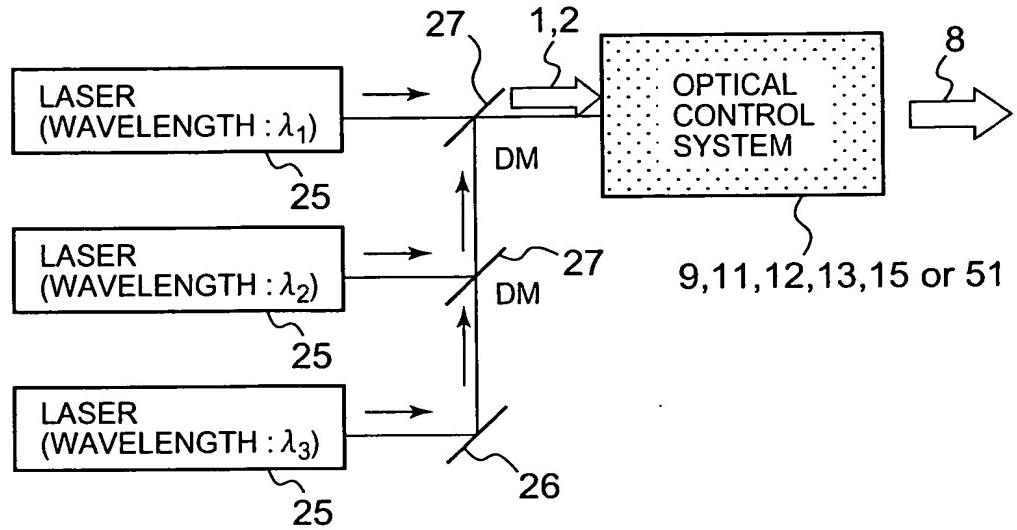


FIG. 36

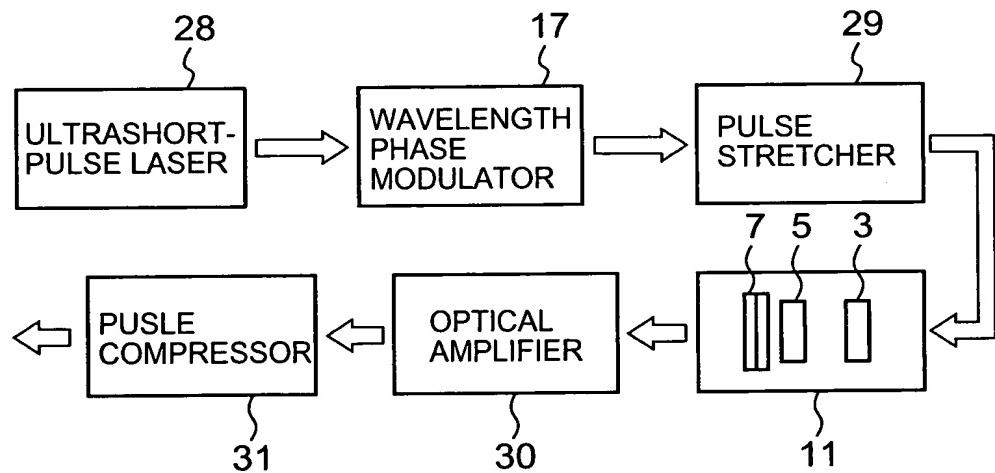
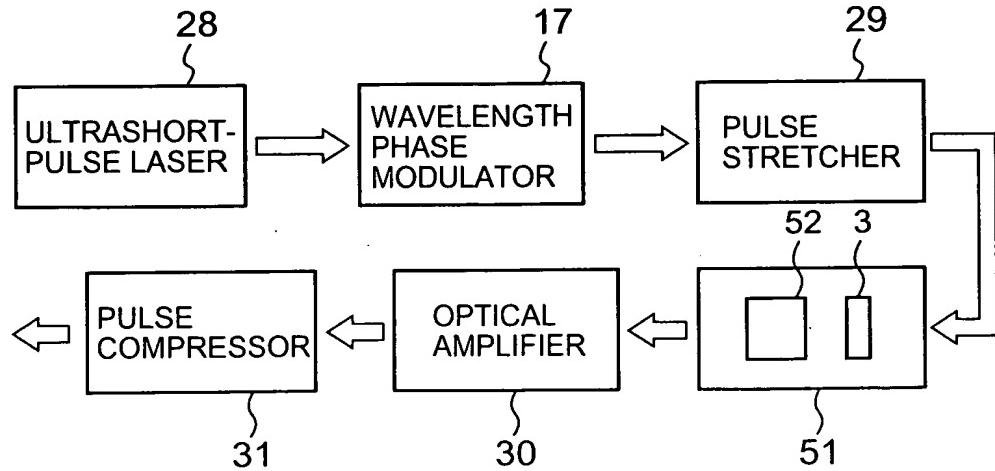


FIG. 37



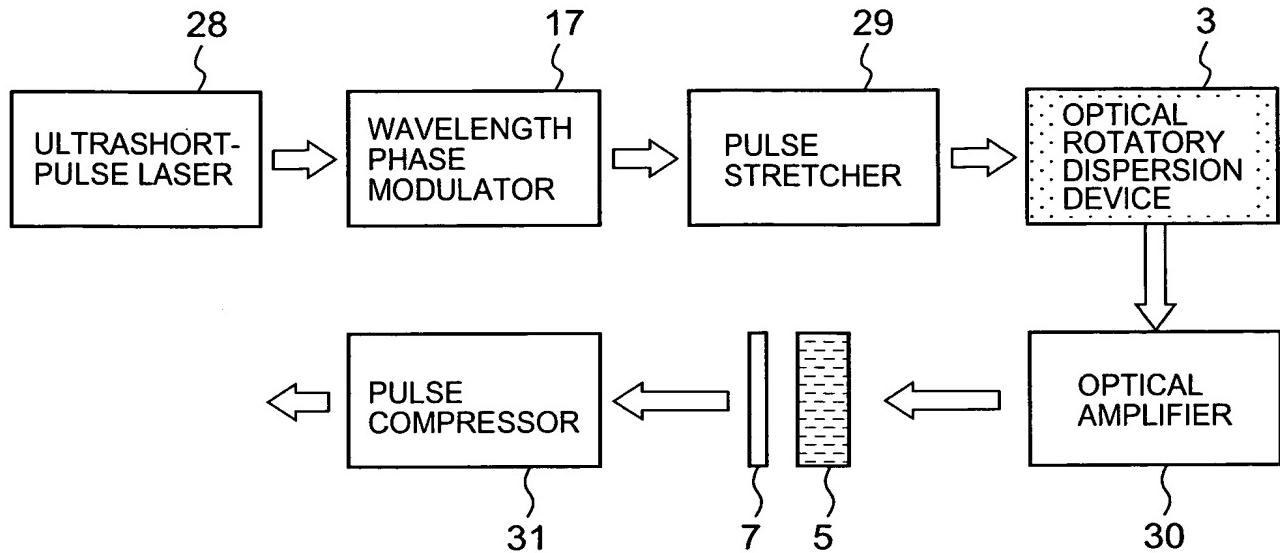


FIG. 38

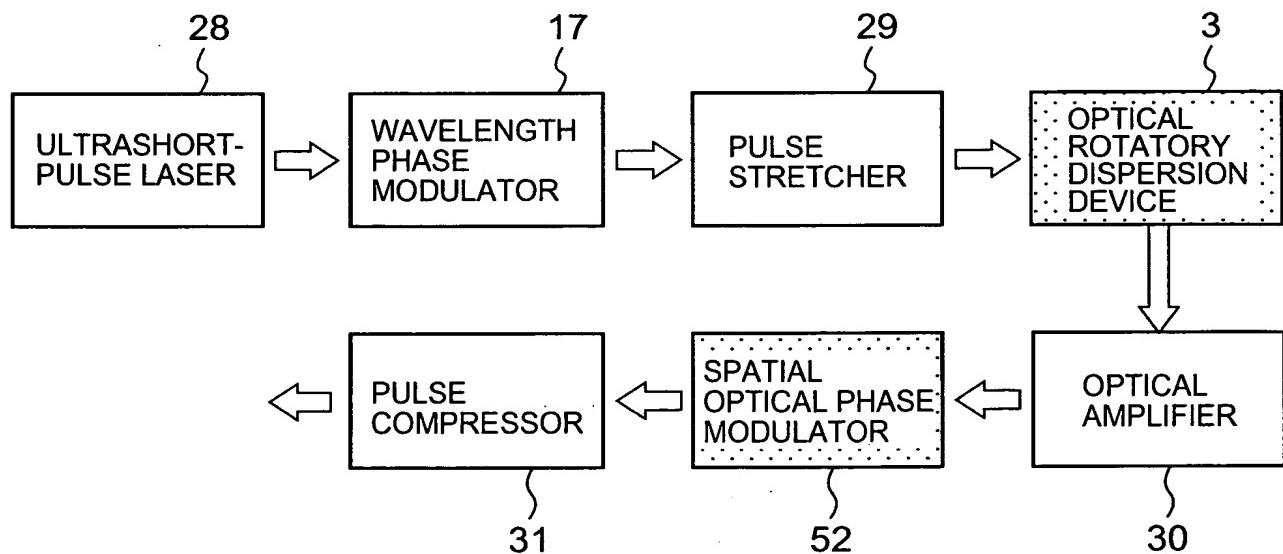


FIG. 39

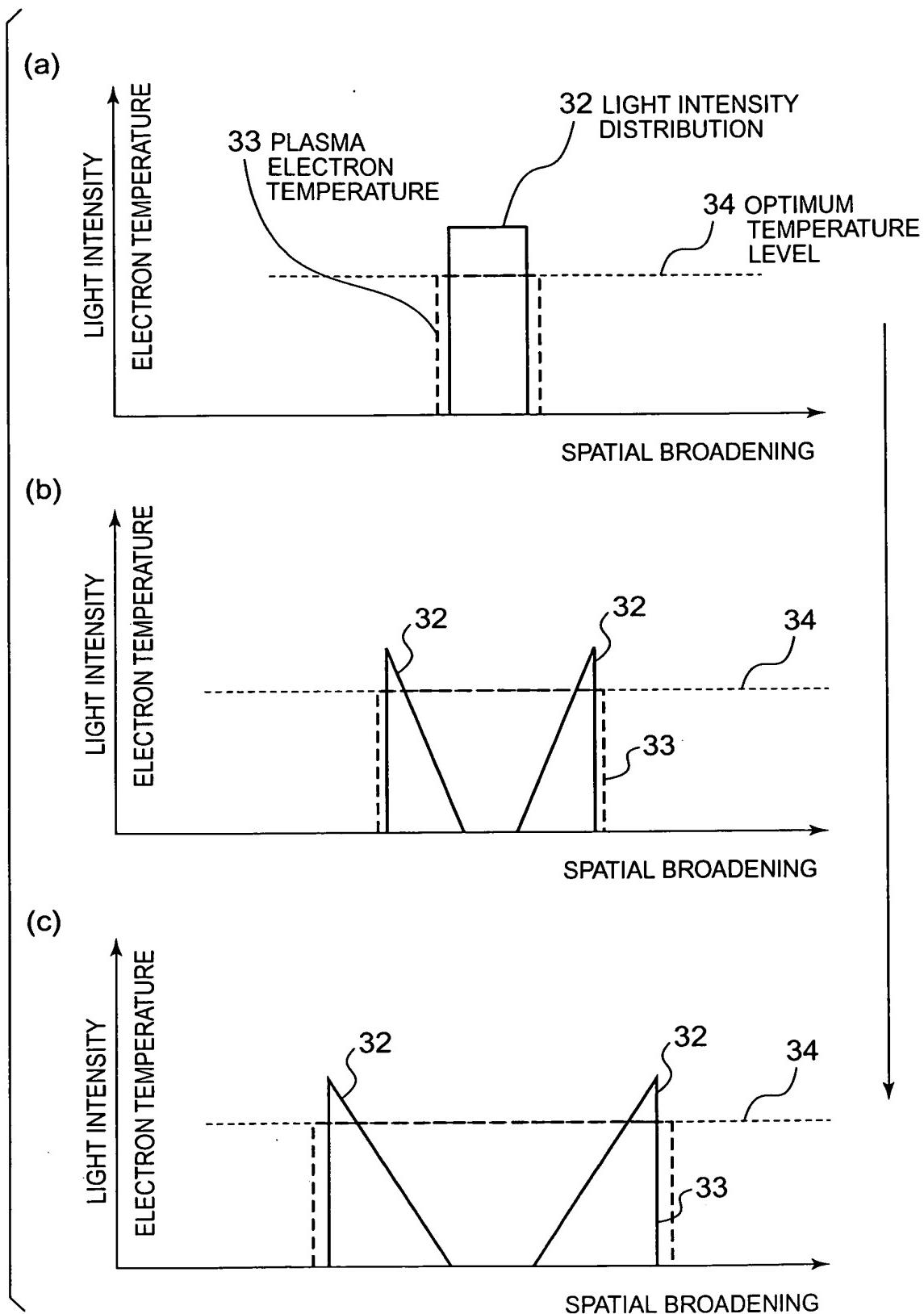


FIG. 40

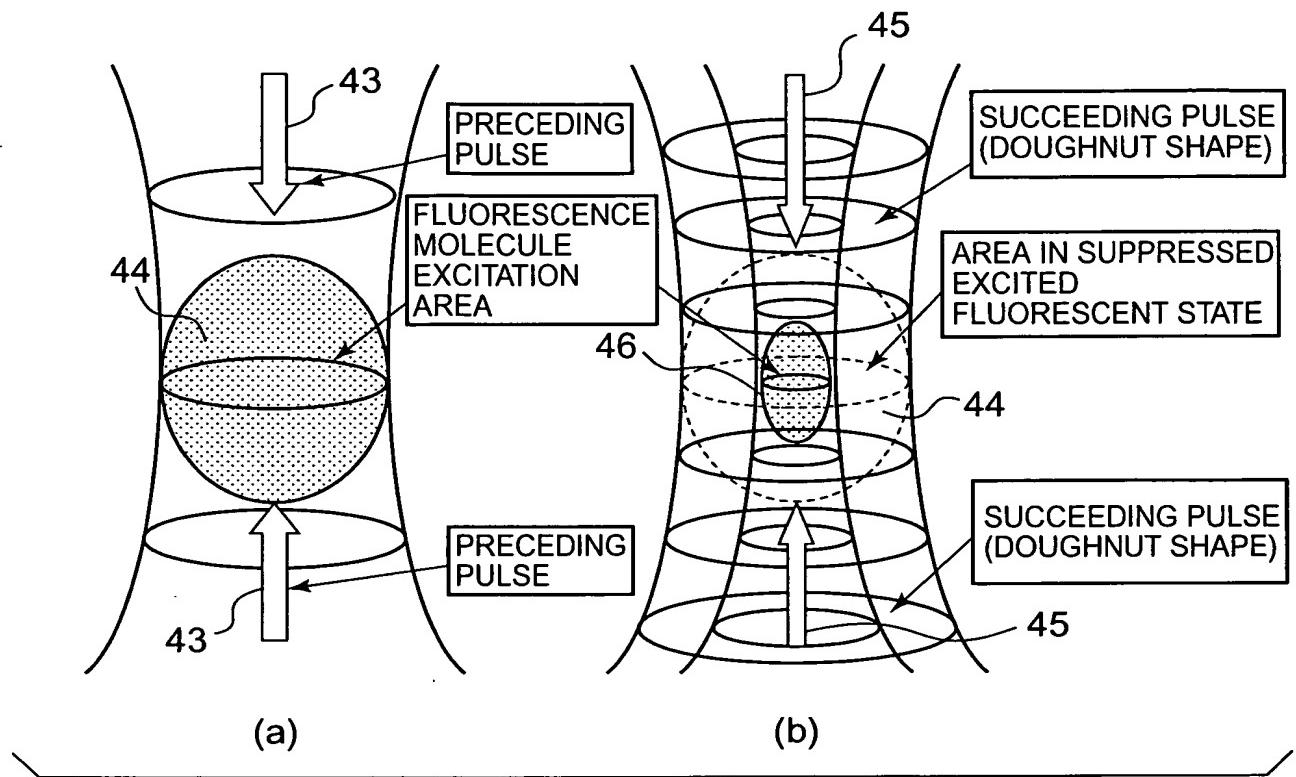


FIG. 41

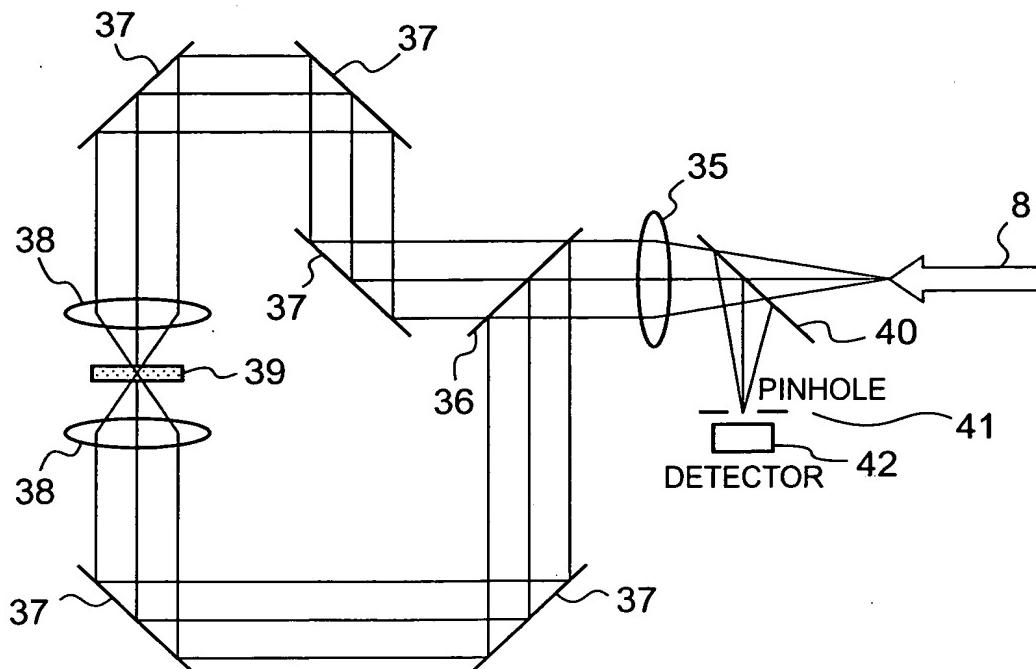


FIG. 42